



EARLY RESPONSE ACTION

PUBLIC HEALTH EXPOSURE ASSESSMENT AND **MITIGATION SUMMARY REPORT**

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On Behalf of the

Roosevelt Irrigation District

WEST VAN BUREN AREA
WATER QUALITY ASSURANCE REVOLVING FUND SITE

September 16, 2011

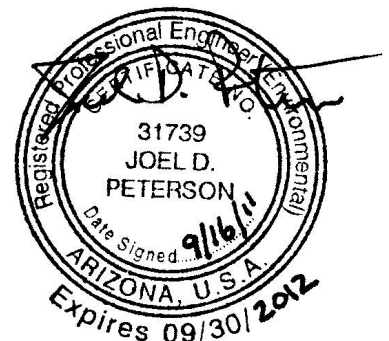


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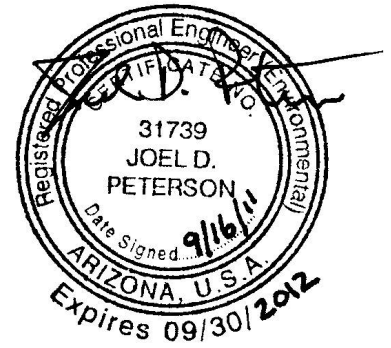


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September 16, 2011

**ROOSEVELT IRRIGATION DISTRICT
EARLY RESPONSE ACTION**

**PUBLIC HEALTH EXPOSURE ASSESSMENT AND MITIGATION SUMMARY
REPORT**

**WEST VAN BUREN AREA
WATER QUALITY ASSURANCE REVOLVING FUND REGISTRY SITE**

EXECUTIVE SUMMARY

INTRODUCTION

Groundwater in the West Van Buren Area (WVBA) Water Quality Assurance Revolving Fund Registry Site contains hazardous substances, principally volatile organic compounds (VOCs) that have impacted twenty-one (21) Roosevelt Irrigation District (RID) wells. RID submitted a Work Plan for conducting an Early Response Action (ERA) to restore a portion of these impacted wells for current and reasonably foreseeable beneficial uses. Although the ERA was intended primarily as a well protection and water supply initiative, it will also mitigate public exposure associated with the uncontrolled release of VOCs.

Air and water sampling was conducted in accordance with the Public Health Exposure Assessment and Mitigation Work Plan. The resulting data enables review of the potential for exposure of the public to these contaminants and provides insight into the fate and transport of these contaminants.

PURPOSE OF ASSESSMENT

This assessment evaluates the potential for public exposure to VOCs by comparing the sampling results to health-based guidelines to make a screening-level determination as to whether these substances pose a significant risk to public health and provide data to assist in developing detailed designs for engineering controls to limit uncontrolled VOC emissions.



SCOPE OF ASSESSMENT

The scope of this assessment is limited to the potential public exposure from VOCs released during RID pumping and conveyance of contaminated groundwater. As defined by Arizona Department of Environmental Quality (ADEQ), this assessment does not constitute a quantitative risk assessment, but rather a screening-level assessment of potential exposure. Field investigations were limited to the RID water infrastructure located in the WVBA (**Figure 1**), and focused on air and water exposure pathways. Since no soil contamination exists at RID properties within the WVBA Site, no soil exposure pathway was considered under the scope of work.

Three (3) VOCs present in the WVBA are considered “target” contaminants of concern (COCs) since they are present at concentrations high enough to potentially pose significant exposure risk to the public. Consequently, this Task 1 Report addresses only these target COCs; 1,1-DCE, PCE and TCE.

EXPOSURE ASSESSMENT

RID maintains groundwater extraction wells, open and enclosed gravity conveyances (the Salt Canal and laterals), and an open Main Canal, systems that pump and transport water from within the WVBA Site to the RID service area to the west. These wells and conveyances within the WVBA were assessed, through systematic air and water sampling of two “worst case” locations to evaluate the potential for and magnitude of public exposure to these COCs by comparison to health-based screening-level guidelines.

CONCLUSIONS

The results of this assessment suggest that there is not an imminent (acute) risk to the public from the contamination being released from the RID water systems. While air sampling results show that many points in the RID water systems exceed air inhalation screening-level guidelines for short-term exposure, these points are not likely to provide a reasonable public exposure pathway due to their physical nature and locations. Similarly, water sampling results show that many points in the RID water systems exceed screening-level guidelines for ingestion, however, the contaminated water is not expected to lead to an unacceptable public exposure based on the limited and transient potential use of this water as a source of drinking water.

The results of this study also confirmed, however, that many breathing-zone air samples exceed screening-level guidelines for chronic exposure to TCE and PCE (annual AAAQGs and industrial/residential RSLs) in ambient air. While there does not appear to be any imminent (acute) exposure risk to the public from these contaminants, the long-term effects from exposure to volatilized COCs in the air are uncertain.



In addition, the results demonstrate that significant volatilization and transfer of contaminants, from the water into the air, is occurring and is ongoing. This transfer of mass from one media to another represents uncontrolled releases to the local environment and is not consistent with ADEQ policy. Consequently, RID intends to implement measures to limit these exposures, as outlined in the approved ERA and this Task 1 Report.

1.0 INTRODUCTION

Groundwater in the West Van Buren Area (WVBA) Water Quality Assurance Revolving Fund Registry Site contains hazardous substances, principally volatile organic compounds (VOCs) that have impacted twenty-one (21) Roosevelt Irrigation District (RID) extraction wells. As the principal impacted water provider in the WVBA Site, the Arizona Department of Environmental Quality (ADEQ) acknowledged that the RID wells that extract and discharge VOC-contaminated groundwater to surface water are the major outflow of contamination from the Site [Terranext, 2008]. It was further noted that the RID canals provide a potential route of surface water and contaminant migration downstream of the WVBA.

RID relies on the wells within the WVBA Site to meet critical water supply needs and, consequently, submitted a Work Plan for conducting an Early Response Action (ERA) to restore a portion of these impacted wells for current and reasonably foreseeable beneficial uses, including future use as a drinking water source [Montgomery & Associates, 2010], as provided in the Arizona Water Quality Assurance Revolving Fund (WQARF) Program [A.R.S. § 49-282.06.B.4.b; A.A.C. R18-16-405). Although the ERA was designed to capture and treat hazardous substances primarily as a well protection and water supply initiative, the action was also proposed to mitigate public exposure associated with the uncontrolled release of VOCs in groundwater pumped by RID from the WVBA Site.

Given the volatile nature of the contaminants of concern (COCs), field activities conducted in accordance with the Public Health Exposure Assessment and Mitigation Work Plan (Task 1 Work Plan) provide detailed investigations into the fate and transport of the COCs and assessment of the potential for exposure of the public to these contaminants. Past investigations evaluated the impact of pumping contaminated groundwater but only focused on VOCs in water, "... assuming that no volatilization occurs..." [BE&K/Terranext, 2001].

ADEQ approved the ERA Work Plan, with conditional tasks, in a letter dated June 24, 2010. Among the tasks, ADEQ requested that RID provide specific documentation to assess potential public health exposure to COCs and how these potential exposures will be mitigated during the ERA implementation. The Task 1 Work Plan, dated June 16, 2011 [Synergy Environmental, 2011], was prepared in response to that request. This Public Health Exposure Assessment and Mitigation Summary Report (Task 1 Report) presents and summarizes the results of the specific activities described in the Task 1 Work Plan.



1.1 PURPOSE OF ASSESSMENT

The purpose of this assessment was to evaluate the potential exposure of individuals living and working in the WVBA to the hazardous substances known to exist in the groundwater and portions of the RID water systems. This assessment was intended to:

- assess the potential for public exposure to unacceptable levels of VOC contamination at the WVBA Site;
- compare the analytical results to health-based guidance levels to make a screening-level determination as to whether these substances pose an imminent and significant risk to public health; and,
- utilize the results to facilitate the development of detailed designs for engineering controls as mitigation measures, where warranted, to reduce the concentration of hazardous substances in the local environment.

1.2 SPECIFIC OBJECTIVES

The Task 1 Work Plan defined the work necessary to assess public exposure pathways to VOC contamination from RID systems in the WVBA Site. Although there may be other possible VOC exposure pathways in the WVBA that could pose potential public health hazards, the scope of the Task 1 Work Plan, and presentation of results in this Task 1 Report, are limited to the assessment of potential exposure from VOC releases associated with the RID pumping and conveyance of contaminated groundwater.

As defined by ADEQ, this exposure assessment does not constitute a quantitative risk assessment, but rather a screening-level assessment of potential exposure. This Task 1 Report provides data to characterize exposure from current RID water operations in the WVBA and to assist in development of detailed designs for engineering controls needed to limit these uncontrolled VOC emissions. This assessment does not address potential for historical exposure. A baseline risk assessment may be conducted as part of the WVBA Site Feasibility Study (FS), if deemed necessary by ADEQ, to quantify potential health and ecological risks and other routes of exposure associated with the contaminated groundwater.

The field investigations were limited to the RID water infrastructure located in the WVBA (**Figure 1**), and focused on air and water exposure pathways. Since no soil contamination exists at RID properties within the WVBA Site, no soil exposure pathway was considered under the scope of work.

Sampling of water and air were conducted at the locations defined in the Task 1 Work Plan, shown in **Figures 1 through 4** herein, and analyses performed to determine the concentrations of the COCs at various points of RID operations within the WVBA Site. This Task 1 Report



evaluates the analytical data obtained from this sampling on a comparative, screening-level basis only, comparing the concentrations to applicable health-based guideline values, including:

- Agency for Toxic Substances and Disease Registry Minimum Risk Levels;
- Arizona Department of Health Services Arizona Ambient Air Quality Guidelines;
- Arizona Surface Water Quality Standards;
- Environmental Protection Agency (EPA) Maximum Contaminant Levels; and
- EPA Regional Screening Levels.

This Report provides a comparison of the analytical results to the screening criteria and provides an assessment of the effectiveness of the planned mitigation measures to reduce the potential for public exposure. These data can also be used by ADEQ to determine whether additional health consultation or public health assessment is warranted.

2.0 BACKGROUND

A summary of the physical setting, hydrogeologic and groundwater conditions, sources of contamination and impacts on RID wells and operations was provided in the Draft Remedial Investigation (RI) Report [Terranext, 2008] for the WVBA Site and in the ERA Work Plan [Montgomery & Associates, 2010]. The Draft RI Report was published by ADEQ in October 2008 and also included a discussion of the nature and extent of contamination in the WVBA Site. Brief descriptions of Site location and physical characteristics, the COCs present at the Site and the impact of this contamination on the RID water systems are provided in the following sections.

2.1 SITE LOCATION AND PHYSICAL CHARACTERISTICS

Figure 1 depicts the approximate boundaries of the groundwater contamination, as well as relevant features within the WVBA Site. The extent of groundwater contamination associated with the WVBA Site is generally bounded on the north by McDowell Road, on the east by 7th Avenue, on the south by Lower Buckeye Road, and on the west to just passed 79th Avenue.

Land use within the WVBA is predominantly zoned industrial with smaller tracts of residential (with elementary schools and churches) and commercial. The WVBA is located within the City of Phoenix Central City and Estrella urban villages. With the significant acreage of agricultural land available to be developed in the future, the Estrella Village (41 square miles) is identified as a Phoenix targeted growth area, and is expected to experience significant increases in both employment and residential growth [ADEQ, 2011].



2.2 CONTAMINANTS OF CONCERN

The COCs have been identified based on historical and present data obtained from samples collected by ADEQ and RID from the impacted RID groundwater extraction wells over the past 20 years. There are six (6) hazardous substances that constitute the COCs due to their presence at significant concentrations in the WVBA Site. These contaminants are all VOCs, indicating that they readily volatilize and could pose a threat to human health through inhalation as well as ingestion and body contact. These primary COCs, comprising the commingled WVBA Site plume, are listed as follows (including the chemical name and the Chemical Abstract Service (CAS) number:

- | | |
|--|---------------------|
| • 1,1-Dichloroethene (1,1-DCE) | CAS number 75-53-4 |
| • Tetrachloroethene (PCE) | CAS number 127-18-4 |
| • Trichloroethene (TCE) | CAS number 79-01-6 |
| • 1,1,1-Trichloroethane (TCA) | CAS number 71-55-6 |
| • cis 1,2-Dichloroethene (cis 1,2-DCE) | CAS number 156-59-2 |
| • 1,1-Dichloroethane (1,1-DCA) | CAS number 75-34-3 |

Only three (3) of these six (6) COCs are present in the impacted groundwater at concentrations high enough to pose a significant potential exposure to the public. Consequently, this Task 1 Report will address only those three (3) target COCs; 1,1-DCE, PCE and TCE.

Chromium is also a COC that occurs locally within the WVBA Site boundaries. The concentrations of chromium in the impacted RID groundwater are well below the EPA maximum contaminant level (MCL) for drinking water and have only been detected in wells RID-102 and RID-104. Unlike the primary COCs, chromium is a non-volatile contaminant so there is no reasonable potential for an inhalation exposure pathway. Consequently, chromium was not considered in this assessment.

2.3 CONTAMINATION IMPACT ON RID WATER SYSTEM

The groundwater contamination in the WVBA Site has impacted, or threatens to impact, thirty-two (32) RID production wells located in this area. These RID wells are permitted by the Arizona Department of Water Resources to pump in excess of 190,000 acre-feet per year (AFY), or approximately 118,000 gallons per minute (gpm), of groundwater. Twenty-one (21) of these wells, with a permitted pumping capacity of approximately 117,000 AFY (about 73,000 gpm), are impacted by COCs (16 above the EPA-designated MCLs). Eleven (11) other RID wells in the WVBA Site are also threatened by groundwater contamination; these additional wells have a permitted pumping capacity in excess of 80,000 AFY (approximately 50,000 gpm).



Table 1 presents a summary of analytical data showing COC concentrations for samples collected by ADEQ from RID wells during the time period of June 2003 through April 2011 (with select split samples collected by RID during the June 2010 and April 2011 sampling events). **Table 2** presents a summary of analytical data showing COC concentrations for samples collected by ADEQ at select RID canal locations during June 2010 and April 2011 (also with select split samples collected by RID during those events). For both summary tables, only the three (3) COCs identified in Section 2.2 (i.e., TCE, PCE and 1,1-DCE) are included. All results that are equal to or exceed MCLs are indicated in red text.

Based on RID pumping records and available analytical data for RID extraction wells (samples collected by ADEQ during September 2008 and June 2010), the annual volume of contaminated groundwater pumped from RID extraction wells in the WVBA Site was approximately 42,000 acre-feet (AF) or 13,500 million gallons (MG) for 2008 and 42,000 AF or 13,700 MG for 2010 (see **Table 3**). The estimated COC mass discharged from the contaminated wells into the water distribution system was approximately 3,200 pounds for 2008 and 2,800 pounds for 2010 (**Table 3**). Estimates for 2009 were not calculated because there was no sampling conducted in 2009.

The fate of COCs in groundwater pumped from RID wells and conveyed through gravity pipelines and open canals is controlled, in large measure, by the individual contaminant physical and chemical properties. The main route of transfer of PCE, TCE, and 1,1-DCE from water is volatilization (EPA, 1981). This behavior is consistent with the compounds' relatively high Henry's law constants. Laboratory studies cited in toxicity profiles generated by ATSDR (1997) have demonstrated that PCE and TCE rapidly volatilize from water. Although volatilization is rapid, actual transfer rates are dependent upon temperature, water movement and depth, associated air movement, and other factors. The volatilization half-life of PCE and TCE from a rapidly moving, shallow river (1 meter deep, flowing 1 meter per second with a wind velocity of 3 meters per second) has been estimated to be 4.2 and 3.4 hours, respectively (Thomas, 1982).

3.0 EXPOSURE ASSESSMENT

As previously defined by ADEQ, the scope of this investigation is limited to the assessment of potential exposure from VOC releases associated with the RID pumping and conveyance of contaminated groundwater. The Draft RI Report indicated that the RID wells that extract and discharge VOC-contaminated groundwater to surface water are the major outflow of contamination from the Site [Terranext, 2008]. It was further noted in the Draft RI Report that the RID canals provide a potential route of surface water and contaminant migration downstream of the WVBA. Consequently, this assessment will evaluate the potential exposure of individuals living and working in the WVBA to the COCs known to exist in the extracted groundwater and within portions of the RID water systems.



3.1 OVERVIEW OF RID WATER OPERATIONS

The RID water systems within the boundaries of the WVBA Site that are impacted, or that are threatened to be impacted, by the groundwater contamination include 32 groundwater extraction wells, the Salt Canal conveyance, several lateral conveyances and the Main Canal. These individual system elements are described in the following sections.

3.1.1 Groundwater Extraction Wells

RID maintains 32 groundwater extraction wells within the WVBA Site. The locations of these wells are shown in **Figure 1** and well construction details, registered pumping capacity, and historical and current groundwater pumping data are provided in **Table 3**. Groundwater pumped from the impacted RID wells, along with wastewater from the City of Phoenix 23rd Avenue Waste Water Treatment Plant (WWTP) and groundwater pumped from non-impacted RID wells, is currently conveyed to the RID Main Canal (**Figure 1**) and then to RID's service area west of the Agua Fria River. Based on the analytical results of groundwater sampling, historical operation of RID wells appears to have limited the down gradient migration of contaminated groundwater within the WVBA Site.

Each well has a field-fit discharge piping system that directs the groundwater from the pump into the Salt Canal or laterals (through receiver boxes) or directly into the Main Canal. The discharge piping from each well is uniquely configured to accommodate the well site location and orientation and, in all cases, provides an air gap by discharging into a gravity conveyance through the open atmosphere. No RID wells currently discharge into pressurized piping systems.

3.1.2 Salt Canal

The RID Salt Canal is primarily an enclosed and underground gravity conveyance system that transports extracted groundwater westward from its origin at well number RID-114, collecting groundwater from wells RID-113 through RID-105 along the south side of Van Buren Street to its terminus at the Main Canal at 83rd Avenue just south of Van Buren Street (see **Figure 1**). Over the approximately 80 years the Salt Canal has been in operation, it has been largely converted from its original configuration as an open canal to an enclosed conveyance.

The enclosed portions of the Salt Canal are equipped with manholes at multiple locations along the conveyance to provide access for maintenance. The majority of manhole covers along the Salt Canal are of solid steel construction and provide an adequate seal to prevent or minimize release of volatilized contaminants from the underlying headspace. However, some of the manhole covers in the older, eastern section of the conveyance have small (and sometimes multiple) openings in the covers. Therefore, these manholes have been included in the assessment of potential public health exposure.

The Salt Canal has two (2) remaining open sections consisting of concrete-lined canal, both located in the western extent of the Salt Canal. These open sections maintain the general canal alignment and gravity flow line/grade and are, therefore, several meters below the grade of the pavement adjacent to West Van Buren Street. These open canal sections are as follows:

- approximately 320 feet long open segment beginning approximately 800 feet west of 75th Avenue; and
- approximately 1,150 feet long open segment beginning approximately 250 feet west of 79th Avenue.

A third section of open canal (immediately west of 69th Avenue, approximately 240 feet long) was enclosed in 2010 during City of Phoenix street improvements.

3.1.3 Laterals

RID utilizes six (6) lateral conveyances within the margins of the WVBA to transport groundwater from wells that are not immediately adjacent to the Salt Canal or Main Canal. Four (4) of these laterals flow south from wells RID-89, RID-92, RID-95, and RID-100, to the Main Canal. The remaining two (2) laterals transport groundwater from the wells in the southeastern portion of the WVBA from RID-104, RID-103 and RID-101 to the Main Canal and from RID-102 to the north-south lateral serving RID-100 and on to the Main Canal. The majority of the RID laterals are enclosed; however, two (2) open sections still exist, as shown on **Figure 1**.

The enclosed sections of laterals consist of smaller-diameter gravity pipelines, typically less than 24 inches in diameter. These pipelines do not have manhole or clean-out access points and, therefore, present limited potential for public exposure to the contaminated groundwater being conveyed.

There are only two (2) open lateral sections in the RID water systems in the WVBA Site, as follows:

- running north to south along the eastern side of 43rd Avenue approximately 850 feet south of West Buckeye Road. This section is an open, concrete-lined canal approximately 400 feet long. This open section of lateral is readily accessible to the public and is approximately three (3) feet below the grade of the adjacent 43rd Avenue.
- running east to west from immediately west of well RID-103 on the west side of 19th Avenue and north of Lower Buckeye Road; conveying groundwater from wells RID-104 and RID-103. This section is an open, concrete-lined canal approximately 1,400 feet long. This section is secured by a chain-link fence to discourage public access.



An open section running north to south along 27th Avenue was enclosed by RID in October of 2009 to eliminate public access and prevent the lateral from being used as a “swimming hole”, known to be frequented by local residents.

3.1.4 Main Canal

The RID Main Canal originates just to the west of the 23rd Avenue WWTP located at 23rd Avenue and Lower Buckeye Road, and flows west along the southern margin of the WVBA. The Main Canal at this point receives grade A+ effluent from the WWTP as well as groundwater from the lateral serving wells RID-104, RID-103 and RID-101. In addition to the effluent, the Main Canal receives contaminated groundwater from the aforementioned laterals along with uncontaminated and contaminated groundwater directly from wells immediately adjacent to the canal.

3.3 ROUTES OF POTENTIAL EXPOSURE

Potential exposure pathways considered for this assessment include public exposure to COCs in air and water resulting from the current discharge of contaminated groundwater at RID well sites and conveyance of the contaminated groundwater in the RID water distribution system. Public exposure is controlled at RID well sites by security fencing that precludes general public access, but is uncontrolled outside of the RID well sites. Consequently, this assessment will focus on potential public exposure external to RID well sites and in the open RID water distribution system. Routes of public exposure to the surrounding community include ingestion and dermal absorption of contaminated groundwater, conveyed through open laterals and canals, and inhalation of COCs that volatilize from contaminated groundwater discharged from RID wells and transported through the RID water distribution system. Therefore, this assessment evaluates the following exposure pathways through:

- measurement of COC concentrations in water from RID canals and laterals as a basis for comparison to screening levels defined for: dermal exposure to COCs through full and partial body contact from public swimming and bathing in open laterals and canals, ingestion from use of water in open laterals and canals as a source of drinking water, and secondary ingestion through consumption of fish caught in the RID Main Canal.
- measurement of COC concentrations in air samples obtained at well site perimeters (fence-line) and adjacent to open structures and segments of the Salt Canal and laterals to points of discharge into the RID Main Canal as a basis for comparison to screening levels defined for industrial and residential exposure to VOC inhalation in ambient air.

Although not significant to general public exposure, this assessment also documents VOC concentrations in samples of air and water at wellhead discharge and receiving structures as a basis for comparison to screening levels defined for occupational exposure to employee and contract workers that may infrequently conduct well maintenance work.



The sampling of both water and air in the RID water system was conducted to investigate both the magnitude of potential exposure to the public (concentration-based) as well as to provide insight into the mass transfer of contaminants from the water into the air (volatilization mass balance), and dilution (where applicable), as this contaminated groundwater is discharged and transported through the RID water system.

3.4 SAMPLING AND ANALYSIS PROTOCOL AND RESULTS

Figures 3 and 4 provide conceptual schematics of the RID systems selected for the exposure scenario evaluation and provide a graphic representation of sample identification presented on **Tables 4 and 5**. Sample locations are also shown in map view in **Figures 1 and 2**.

3.4.1 Air Sampling and Analysis

During June 28 and 29, 2011, RID conducted air sampling following procedures described in the Task 1 Work Plan approved by ADEQ. Air samples were obtained over a 1-hour period in stainless steel Summa canisters using a pre-calibrated flow intake regulator. Samples were collected at the RID-92 system on June 28th, and at the RID-114 system on the following day. Analytical results from these samples are provided and discussed in Section 3.5.1, Air Data.

All sampling equipment and field support, COC analyses, canister certification of cleaning and calibration were provided by Airtech Environmental Laboratories (AEL) of Phoenix, Arizona (Arizona Department of Health Services [ADHS] license number AZ0740). AEL performed COC analysis using EPA Method TO-15 at sample locations where higher COC concentrations were expected (e.g., head space samples) or EPA Method TO-15 by selective ion monitoring (SIM) where lower VOC concentrations were expected (e.g., breathing zone samples collected at virtual fence locations and background locations) [see **Table 4**].

Meteorological data were collected utilizing a Davis Instrument, Vantage Pro2 portable weather station situated at an open area at each well site during the entire 1-hour sampling period during both sampling days. Wind Rose diagrams of average and maximum wind speed and dominant direction for both days of air sampling are included as **Figures 5 through 8**.

The analytical results for the samples collected under the Task 1 Work Plan are provided in **Table 4** and summarized below. Numerical results are provided for 1,1-DCE, TCE and PCE in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Field duplicates were collected as described in the Task 1 Work Plan and those data are also included in **Table 4**. Copies of final laboratory reports for analyses of air samples conducted by AEL are included in Volume 2 of the Task 1 Report as **Appendix A**.

RID-92 Exposure Scenario Evaluation (inhalation exposure)

The following samples were collected and results obtained to quantify VOC concentrations in air associated with the RID-92 Exposure Scenario (see **Figure 3** for schematic representation of sampling associated with the RID-92 water system).

- Air sample [A2] from the headspace of the concrete receiver box that channels the well discharge at RID-92:

[A2]	1,1-DCE = 990	TCE = 2,040	PCE = 62.4
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- Air sample [A4] from the breathing zone immediately adjacent to the concrete receiver box at RID-92:

[A4]	1,1-DCE = 1.35	TCE = 10.7	PCE = 5.22
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- Air samples [A9] through [A12] from the four (4) virtual fence-line locations (north, south, east, west) at RID-92 in the breathing zone:

[A9]	1,1-DCE = 0.51	TCE = 5.53	PCE = 1.97
[A10]	1,1-DCE = 1.15	TCE = 9.13	PCE = 4.27
[A11]	1,1-DCE = 0.71	TCE = 7.79	PCE = 2.64
[A12]	1,1-DCE = 0.20	TCE = 1.88	PCE = 0.81
- Air sample [A20] from the headspace of the enclosed lateral pipeline where the RID-92 pipeline transitions into open lateral:

[A20]	1,1-DCE = 2,730	TCE = 5,210	PCE = 461
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- Air sample [A21] above the water surface in open section of the RID-92 lateral:

[A21]	1,1-DCE = 0.95	TCE = 11.8	PCE = 3.86
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- Air sample [A22] above the water surface in the Main Canal, approximately 10 feet downstream from the point of discharge of the lateral serving RID-92, above the inferred mixing zone:

[A21]	1,1-DCE = 0.95	TCE = 11.8	PCE = 3.86
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RID-114 Exposure Scenario Evaluation (inhalation exposure)

The following samples were collected and results obtained to quantify VOC concentrations in air associated with the RID-114 Exposure Scenario (see **Figure 4** for schematic representation of sampling associated with the RID-114 water system).

- Air sample [A1] from the headspace of the concrete receiver box that channels the well discharge at RID-114:

[A1]	1,1-DCE = 1,390	TCE = 4,080	PCE = 115
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- Air sample [A3] from the breathing zone adjacent to the RID-114 concrete receiver box:

[A3]	1,1-DCE = 0.87	TCE = 7.52	PCE = 0.95
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- Air samples [A5] through [A8] from the four (4) “virtual” fence-line locations (north, south, east, west) at RID-114 in the breathing zone:

[A5]	1,1-DCE = 0.67	TCE = 6.44	PCE = 0.88
[A6]	1,1-DCE = 0.67	TCE = 6.44	PCE = 0.95
[A7]	1,1-DCE = 1.19	TCE = 10.2	PCE = 1.08
[A8]	1,1-DCE = 1.07	TCE = 10.7	PCE = 1.22

- Air samples from the headspace of the diversion box [A15] and in the breathing zone immediately adjacent to the concrete diversion box [A16]:

[A15]	1,1-DCE = 1,620	TCE = 3,110	PCE = 35.3
[A16]	1,1-DCE = 3.92	TCE = 29.0	PCE = 4.07

- Air sample [A17] from the headspace under one of the first manhole covers that provides reasonable exposure potential downstream from RID-114:

[A17]	1,1-DCE = 2,570	TCE = 17,700	PCE = 1,020
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- Air sample [A18] from the headspace inside the Salt Canal pipeline where the pipeline becomes open canal. This sample was originally planned for the open segment at approximately 76th Avenue, however, due to the water flow in the canal and location of the canal opening (several feet below the surface of the water), a representative sample of the headspace in this location was not feasible. Consequently, the sampling location was moved (with the approval of ADEQ in the field) to the open segment located just west of 79th Avenue.

[A18]	1,1-DCE = 5.15	TCE = 25.2	PCE = 4.88
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- Air sample [A19] above the water surface immediately downstream of the point of discharge from the enclosed pipeline to the open canal:

[A19]	1,1-DCE = 2.18	TCE = 17.7	PCE = 5.09
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- Air sample [A23] above the water surface in the Main Canal at the point of discharge of the Salt Canal in the Main Canal:

[A23]	1,1-DCE = 0.79	TCE = 6.44	PCE = 1.7
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Background Exposure Evaluation (inhalation exposure)

Background VOC concentrations were evaluated by collecting air samples at locations away from the sources of air emissions associated with the RID water system. The following samples were collected and results obtained to quantify VOC concentrations in air expected to be unaffected by VOC emissions from contaminated groundwater.

- Air sample [A13] from the open turf area in the cemetery north of Van Buren Street at a location approximately ½ mile northwest of RID-114:

[A21]	1,1-DCE = ND	TCE = ND	PCE = ND
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- Air sample [A14] from a vacant, unimproved dirt lot on the west side of 43rd Avenue located approximately 1,700 feet south of the RID Main Canal:

[A21]	1,1-DCE = ND	TCE = ND	PCE = ND
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The analytical results for these samples are non-detect (ND) for all COCs. Reporting levels for TCE, PCE and 1,1-DCE are $0.21 \mu\text{g}/\text{m}^3$, $0.27 \mu\text{g}/\text{m}^3$, and $0.16 \mu\text{g}/\text{m}^3$, respectively.

3.4.2 Water Sampling and Analysis

During June 27 through 29, 2011, RID conducted water sampling following the procedures described in the Task 1 Work Plan approved by ADEQ. Water sampling locations included the points of discharge from impacted RID wells and points within the Salt Canal, the open lateral serving RID-92, and the Main Canal, as described below.

TestAmerica of Phoenix, Arizona (ADHS license number AZ0728) provided sample containers and performed VOC analysis using EPA Method 8260B. Prior to sampling of RID wells, RID confirmed that each extraction well had been operating for a minimum of 48 hours. Water samples were obtained from each extraction well using the dedicated sample port located on the discharge piping. Electrical conductivity, pH and temperature of the purged groundwater were measured utilizing a Hanna Probe field meter. Field measurements were recorded on data sheets until stabilization of the parameters was observed as outlined in the Task 1 Work Plan. Copies of the field data sheets are included in this Report as **Appendix B**.

The analytical results for the water samples collected under the Task 1 Work Plan are provided in **Table 5** and summarized below. Numerical results are provided for 1,1-DCE, TCE and PCE in units of micrograms per liter ($\mu\text{g}/\text{l}$) to a method reporting limit of $0.5 \mu\text{g}/\text{l}$. Equipment blanks, field duplicates were collected and trip blanks utilized as described in the Task 1 Work Plan and those data are also provided in **Table 5**. Copies of the final laboratory reports for analyses of water samples conducted by TestAmerica are included in Volume 2 of the Task 1 Report as **Appendix C**.

RID-92 Receiving Water Exposure Scenario Evaluation (dermal/ingestion exposure)

The following samples were collected and results obtained to quantify VOC concentrations in water associated with the RID-92 Exposure Scenario (see **Figure 3** for schematic representation of sampling associated with the RID-92 water system).

- Water sample [W2] obtained from the well discharge piping at RID-92:
[W2] 1,1-DCE = 5.0 TCE = 75 PCE = 14
- Water sample [W20] from the open lateral canal:
[W20] 1,1-DCE = 3.1 TCE = 56 PCE = 9.7
- Water sample [W21] from the discharge point of the lateral into the RID Main Canal:
[W21] 1,1-DCE = 3.1 TCE = 54 PCE = 8.6

RID-114 Receiving Water Exposure Scenario Evaluation (dermal/ingestion exposure)

The following samples were collected and results obtained to quantify VOC concentrations in water associated with the RID-114 Exposure Scenario (see **Figure 4** for schematic representation of sampling associated with the RID-114 water system).

- Water sample [W1] from the well discharge piping at RID-114 and from the other extraction wells along the Salt Canal, RID-105 through RID-113 ([W3] - [W11], except for RID-111 [W9] which was not in service:

[W1]	(RID-114)	1,1-DCE = 3.2	TCE = 61	PCE = 2.9
[W3]	(RID-105)	1,1-DCE = 0.68	TCE = 0.58	PCE = 3.5
[W4]	(RID-106)	1,1-DCE = 4.9	TCE = 9.0	PCE = 25
[W5]	(RID-107)	1,1-DCE = 2.9	TCE = 8.5	PCE = 8.8
[W6]	(RID-108)	1,1-DCE = 0.76	TCE = 2.8	PCE = 7.5
[W7]	(RID-109)	1,1-DCE = 2.5	TCE = 7.0	PCE = 6.3
[W8]	(RID-110)	1,1-DCE = ND	TCE = 1.4	PCE = 7.3
[W10]	(RID-112)	1,1-DCE = 0.62	TCE = 14	PCE = 3.6
[W11]	(RID-113)	1,1-DCE = 2.2	TCE = 27	PCE = 3.2

- Water sample [W18] from the Salt Canal at the point of collection of headspace air sample [A17]:

[W18]	1,1-DCE = 3.2	TCE = 61	PCE = 2.9
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- Water sample [W19] from the point of discharge from the enclosed Salt Canal pipeline to the open Salt Canal channel:

[W19]	1,1-DCE = 1.5	TCE = 14	PCE = 5.9
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- Water sample [W22] from the Main Canal approximately 500 feet downstream of the point of discharge of the Salt Canal:

[W22]	1,1-DCE = < 0.5	TCE = 4.2	PCE = 1.9
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In addition to the sampling indicated above, RID also sampled and analyzed groundwater from the remainder of the impacted RID extraction wells in the WVBA Site, including; RID-84 [W12], RID-89 [W13], RID-95 [W14], RID-100 [W15], RID-102 [W16], and RID-104 [W17]. This sampling was conducted to provide updated information on the distribution of contaminants across the WVBA and the results are provided in **Table 5**.

3.5 MASS BALANCE DETERMINATIONS

Both air and water samples were collected to provide information to enable evaluation of the mass balance of contaminants throughout the RID water systems. While much work has been conducted to characterize the groundwater contamination in the WVBA, and its impact on the



RID production wells, little is known about the transfer of these volatile contaminants into the air and into the local environment.

The lateral serving well RID-92 was the focus of ADEQ investigations in 2000, the results of which were provided in the “RID Canal Characterization Report, WVBA” dated February of 2001 [BE&K/Terranext, 2001]. In that report, Terranext indicated that TCE concentrations in water decreased from 72 µg/L to 56 µg/L at a distance of only 200 feet downstream, which equates to a loss of approximately 22% of the total TCE mass. Similar results were shown for PCE with wellhead concentrations of 22 µg/L decreasing to 15 µg/L 200 feet downstream, which equates to a loss of approximately 32% of the total PCE mass.

No air sampling was conducted during those canal characterization activities. While acknowledging in this report that the “...COCs likely volatilize...” there were no attempts to quantify or confirm this mass transfer mechanism. As cited by Terranext in that report, “EPA reported a half-life of PCE ranging from about 50 to 100 minutes in surface water, depending on water turbulence and wind.” [EPA, 1979].

While much of the lateral sampled in 2000 has been enclosed, one section of open lateral still exists. Water samples, both in the RID-92 lateral and in the Salt Canal, provide results that allow direct assessment of quantifiable mass loss (due to volatilization) and the air samples provide results that help to confirm, in a semi-quantitative way, the occurrence and magnitude of losses throughout the various parts of the RID water system. The sampling approach used in this work allows evaluation of COC concentrations in water and associated losses to volatilization. Therefore, the two systems studied will be considered separately as follows:

RID-92 to the Main Canal

The RID-92 wellhead sample [W2] is compared to the water sample collected in the open section of lateral [W20], approximately 2,200 feet to the south of RID-92. Volatilization in this reach is evaluated using air samples [A2] (well discharge receiver box headspace), [A20] (headspace in the upstream lateral pipe opening) and [A21] (immediately above the water surface in the open lateral). Water sample [W20] is then compared to water sample [W21] (end of the lateral) to evaluate additional losses in the remaining 1,800 feet of open and piped lateral where the flow discharges into the Main Canal. The mass balance of water samples is illustrated through the following concentration-based results (all in µg/L):

<u>Sample</u>	<u>1,1-DCE</u>	<u>TCE</u>	<u>PCE</u>
[W2]	5.0	75	14
[W20]	3.1	56	9.7
[W21]	2.6	54	8.6



The analytical results for these samples indicate that the concentration of all three COCs decreased significantly; 1,1-DCE decreased by 48%, TCE decreased by 28% and PCE decreased by 39%. The majority of losses occurred in the upper reach. To provide insight into the nature of these losses, the following air sampling data are considered (values in $\mu\text{g}/\text{m}^3$):

<u>Sample</u>	<u>1,1-DCE</u>	<u>TCE</u>	<u>PCE</u>
[A2]	990	2,040	62.4
[A20]	2,730	5,210	461
[A21]	0.95	11.8	3.86

These data are used in a semi-quantitative manner to demonstrate that volatilization is occurring in the upper reach of this system, in the discharge receiver box where the water is highly aerated and turbulent, and through the upper segment of lateral pipeline where turbulence is anticipated to be most prevalent. While we do not have data to evaluate the COC concentrations released to the air in the lower section of lateral, the results of sample [A21], collected immediately above the water in the open lateral, indicates that volatilization is ongoing.

RID-114 to Downstream Manhole

The RID-114 wellhead sample [W1] is compared to the water sample collected in the manhole [W18], approximately 1,200 feet to the west of RID-114 in the Salt Canal. Volatilization in this reach is evaluated using air samples [A1] (well discharge receiver box headspace), [A15] (headspace in the open diversion box) and [A17] (headspace in the manhole where [W18] was collected). Air sample [A19], taken immediately above the water surface in the open stretch of the Salt Canal, is also considered to verify and determine the magnitude of ongoing volatilization. The mass balance of water samples is illustrated through the following concentration-based results (all in $\mu\text{g}/\text{L}$):

<u>Sample</u>	<u>1,1-DCE</u>	<u>TCE</u>	<u>PCE</u>
[W1]	4.4	71	3.9
[W18]	3.2	61	2.9

The analytical results for these samples indicate that the concentration of all three COCs decreased significantly; 1,1-DCE decreased by 27%, TCE decreased by 14% and PCE decreased by 26%. To provide insight into the nature of these losses, the following air sampling data are considered (values in $\mu\text{g}/\text{m}^3$):

<u>Sample</u>	<u>1,1-DCE</u>	<u>TCE</u>	<u>PCE</u>
[A1]	1,390	4,080	115
[A15]	1,620	3,110	35.3

[A17]	2,570	17,700	1,020
[A19]	2.18	17.7	5.09

These data can be used in a semi-quantitative manner to demonstrate that volatilization is occurring in this part of the system, in the discharge receiver box and diversion box where the water is highly aerated and turbulent, and in the headspace of the enclosed, gravity pipeline of this easternmost reach of the Salt Canal. The results of sample [A19], collected immediately above the water surface in the open section of the Salt Canal, also demonstrate that volatilization is ongoing.

Open Salt Canal into the Main Canal

In addition to the previous mass balance evaluations, some insight can be gained by evaluating the mass balance and effects of dilution of COCs from the Salt Canal into the Main Canal. Considering the water sampling conducted in the open stretch of the Salt Canal [W19] and in the Main Canal approximately 500 feet downstream of the point of discharge of the Salt Canal [W22], inferences can be made as to the magnitude of dilution occurring as contaminated water from the Salt Canal is added to the less contaminated water in the Main Canal. The mass balance of water samples is illustrated through the following concentration-based results (all in µg/L):

<u>Sample</u>	<u>1,1-DCE</u>	<u>TCE</u>	<u>PCE</u>
[W19]	1.5	14	5.9
[W22]	<0.50	4.2	1.9

The analytical results for these samples indicate that the concentration of all three COCs decreased significantly; TCE decreased by 70% and PCE decreased by 68%. While it is unknown what fraction of these decreases are attributable to volatilization and what fraction to dilution, it is reasonable to assume the reduction is primarily attributed to blending and dilution due to the large volume of flow that occurs in the Main Canal and the relatively short distance that separates the two sample points.

To provide insight into the nature of volatilization at the point of entering the diluting flow of the Main Canal, the following air sampling data is considered (values in µg/m³): [A22] - surface of the Main Canal approximately ten (10) feet downstream of the entry point of the RID-92 lateral, and [A23] - surface of the Main Canal at the location where the Salt Canal enters the Main Canal.

<u>Sample</u>	<u>1,1-DCE</u>	<u>TCE</u>	<u>PCE</u>
[A22]	51.5	199	31.2
[A23]	0.79	6.44	1.70



It is apparent that volatilization is still occurring from the surface of the Main Canal, more so at RID-92 discharge due to the fact that this well discharges above the surface whereas the Salt Canal discharges under the surface of the Main Canal.

4.0 SUMMARY OF EXPOSURE ASSESSMENT

The following sections provide an overview of relevant screening-level guidelines, summary level discussions of the results of both the air exposure assessment and the water exposure assessment, and general conclusions regarding comparison of these analytical data with the screening-level guidelines.

4.1 SCREENING-LEVEL GUIDELINES

The following screening-level guidelines were used to evaluate the potential exposure to observed chemical concentrations of COCs in the air and water samples obtained in this assessment. Screening-level guidelines are risk-based tools that apply currently accepted toxicity data with standard exposure factors for evaluating potential contaminant concentrations in environmental media thought to be protective of human health.

4.1.1 Minimal Risk Levels (inhalation exposure)

The Agency for Toxic Substances and Disease Registry (ATSDR) has prepared toxicology profiles and evaluated health effects of common hazardous substances regulated by EPA under the federal Superfund Program. As a consequence, ATSDR Minimal Risk Levels (MRLs) were developed to provide chemical-specific health guidance levels for acute (1-14 days), intermediate (14-364 days), and chronic (365 days and longer) exposures to hazardous substances (ATSDR, 2011). An MRL is an estimate of the daily human exposure to a hazardous substance that is likely to be without appreciable risk of adverse non-cancer health effects over a specified duration of exposure. According to ATSDR, MRLs are provided as screening levels to identify contaminants and potential health effects that may be of concern at hazardous waste sites and not intended to define clean up or action levels at a site.

ATSDR established MRLs for inhalation of target COCs impacting the RID water supply that include:

	MRL (acute)	MRL (intermediate)	MRL (chronic)
1,1-DCE	N/A	80 µg/m ³	N/A
TCE	11,000 µg/m ³	540 µg/m ³	N/A
PCE	1,350 µg/m ³	N/A	270 µg/m ³

Note: N/A indicates that there is no MRL established for the COC



ATSDR MRLs are used herein as a screening tool to evaluate whether the observed concentrations of COCs in air may potentially present a hazard for non-cancer related health effects associated with air inhalation.

4.1.2 Arizona Ambient Air Quality Guidelines (inhalation exposure)

The Arizona Ambient Air Quality Guidelines (AAAQGs) were prepared for the ADEQ Air Programs Division by the ADHS. Developed in 1987 and updated through 1999, the AAAQGs are intended to provide health-based guidelines that may be useful in environmental risk management decisions. As stated in the introduction to these guidelines, *“AAAQGs are residential screening values that are protective of human health, including children. Chemical concentrations in air that exceed AAAQGs may not necessarily represent a health risk. Rather, when contaminant concentrations exceed these guidelines, further evaluation may be necessary to determine whether there is a true threat to human health.”* [ADHS, 1999]

AAAQGs were developed for one-hour, 24-hour, and annual exposures. One-hour AAAQGs generally establish a guideline for short-term, acute occupational exposure, whereas annual AAAQGs were derived for probable and known carcinogens, such as COCs at this site like TCE and PCE, to protect against long-term, chronic (e.g. lifetime) toxicity. The 24-hour AAAQG for these compounds were calculated as 365 times the Annual AAAQG.

ADHS (1999) established AAAQGs for inhalation of target COCs impacting the RID water supply that include:

	1-Hour AAAQG	24-Hour AAAQG	Annual AAAQG
1,1-DCE	130 $\mu\text{g}/\text{m}^3$	63 $\mu\text{g}/\text{m}^3$	N/A
TCE	810 $\mu\text{g}/\text{m}^3$	210 $\mu\text{g}/\text{m}^3$	0.58 $\mu\text{g}/\text{m}^3$
PCE	1,300 $\mu\text{g}/\text{m}^3$	640 $\mu\text{g}/\text{m}^3$	1.7 $\mu\text{g}/\text{m}^3$

AAAQGs are used as a screening tool to evaluate whether the observed concentrations of COCs in air may potentially present hazards for acute, sub-acute or chronic health effects associated with air inhalation.

4.1.3 Regional Screening Levels (inhalation and ingestion exposures)

The Regional Screening Levels (RSLs) were developed by EPA to provide risk-based methodology to assist those involved in decision-making at hazardous waste sites in determining whether levels of contamination found at the site warrant further investigation and/or risk assessment. RSLs are based on default exposure parameters and factors that represent “reasonable maximum exposure” conditions for long-term/chronic exposures and are



based on the methods outlined in EPA's Risk Assessment Guidance for Superfund, Part B Manual [EPA, 1991]. The individual categories of RSLs included in this screening-level assessment consist of residential air, industrial air, and tap water (drinking water).

EPA Region 9 (2010) established RSLs for inhalation and ingestion of target COCs impacting the RID water supply including:

	RSL Industrial air	RSL Residential Air	RSL Drinking water
1,1-DCE	880 µg/m ³	210 µg/m ³	340 µg/l
TCE	6.1 µg/m ³	1.2 µg/m ³	2 µg/l
PCE	2.1 µg/m ³	0.41 µg/m ³	0.11 µg/l

EPA RSLs are used as a screening tool to evaluate whether the observed concentrations of COCs in air and water may potentially present hazards for chronic health effects associated with air inhalation and use of the water from the canals for drinking.

4.1.4 Arizona Surface Water Quality Standards (dermal and ingestion exposure)

Arizona Surface Water Quality Standards (SWQSS) were developed by ADEQ (Arizona Administrative Code R18-11-109) through the public rulemaking process to provide numerical and narrative standards to maintain and protect water quality for specific designated uses such as full-body contact (FBC), partial-body contact (PBC), fish consumption (FC), and domestic water source (DWS). These DWS standards are equivalent to MCLs for the target COCs. The standards associated with these end-uses are considered in this screening-level assessment since the RID water system is open to public access and all of these uses have been observed.

ADEQ established SWQSS for dermal contact and ingestion of target COCs impacting the RID water supply including:

	SWQS PBC	SWQS FBC	SWQS FC	SWQS DWS
1,1-DCE	46,667 µg/l	46,667 µg/l	7,143 µg/l	7 µg/l
TCE	280,000 µg/l	280,000 µg/l	29 µg/l	5 µg/l
PCE	9,333 µg/l	9,333 µg/l	261 µg/l	5 µg/l

SWQSS are used as a screening tool to evaluate whether the observed concentrations of COCs in water may potentially present hazards for chronic health effects associated with swimming and bathing in the RID canals, using water in the RID canals for drinking, and/or consuming fish caught in the Salt and Main Canals.

4.2 EXPOSURE ASSESSMENT FOR CONTAMINANTS OF CONCERN IN AIR

Exposure scenario evaluations conducted for both RID-92 and RID-114 system operations confirmed the presence of WVBA Site COCs in all air samples obtained in and proximal to the RID wells and water conveyance systems. In contrast, COCs were not detected in air samples obtained in background locations located away from the RID water system. The data from this investigation demonstrate that the presence of COCs in air is directly associated with the pumping and conveyance of contaminated groundwater in the WVBA Site. Additionally, mass balance determinations indicate substantial transfer of COCs from water to air from discharge of contaminated groundwater and conveyance into the RID receiving water system.

The occurrence and magnitude of COC concentrations reported in the exposure scenario evaluations varies widely. The highest observed COC levels in air samples were obtained in water conveyance system openings to the atmosphere (e.g. diversion structures, manholes, and at point of entry into open canal and lateral segments) with concentrations ranging from 5.15 to 2,730 $\mu\text{g}/\text{m}^3$ for 1,1-DCE, 6.44 to 17,700 $\mu\text{g}/\text{m}^3$ for TCE, and 4.88 to 1,020 $\mu\text{g}/\text{m}^3$ for PCE. Concentrations of COCs were also relatively high at the well discharge structures into the RID water conveyance systems with levels ranging from ranging from: 990 to 1,390 $\mu\text{g}/\text{m}^3$ for 1,1-DCE, 2,040 to 4,080 $\mu\text{g}/\text{m}^3$ for TCE, and 62.4 to 115 $\mu\text{g}/\text{m}^3$ for PCE.

The highest 1,1-DCE and TCE concentrations observed in these samples exceed air inhalation screening-level guidelines established for short-term exposure such as acute MRLs and one-hour AAQGs. Although the measured concentrations are relatively high, it is important to note that these emissions relate to point sources at the wellheads and in the water distribution systems that are open to the atmosphere and allow exchange of COCs to the air from the headspace of the mostly enclosed water system.

Concentrations of COCs in the breathing zone above the water line openings to the atmosphere were substantially lower with levels ranging from 0.87 to 3.92 $\mu\text{g}/\text{m}^3$ for 1,1-DCE, 7.52 to 29 $\mu\text{g}/\text{m}^3$ for TCE, and 0.95 to 5.22 $\mu\text{g}/\text{m}^3$ for PCE. COCs detected in the breathing zone air samples at the virtual fence line at the RID well sites ranged from 0.02 to 1.19 $\mu\text{g}/\text{m}^3$ for 1,1-DCE, 1.88 to 10.7 $\mu\text{g}/\text{m}^3$ for TCE, and 0.81 to 4.27 $\mu\text{g}/\text{m}^3$ for PCE. These samples are considered more representative of the ambient air present in these locations of the RID water system. While these results are below air inhalation screening-level guidelines established for acute and sub-acute exposures, such as 24-hour AAQGs and intermediate MRLs, they exceed TCE and PCE screening-level guidelines for chronic exposure in Annual AAQGs and RSLs.

The overall findings of this investigation lead to the conclusion that emissions of COCs currently associated with the pumping and conveyance of contaminated groundwater do not pose an imminent air inhalation hazard to public health. The potential for acute exposure from the notably elevated point source emissions that were measured is not considered significant based on the fact that measured COC concentrations in the adjacent breathing zones are substantially



lower. Moreover, discharge points at well sites are fenced to control public access and there are a limited number of open segments within the water conveyance to the RID Main Canal.

While there does not appear to be any imminent (acute) exposure risk to public health from these sources of COC emissions into the air, the long-term effects of these contaminants on the local public are uncertain. This study documents that removal of COCs from groundwater and subsequent transfer into air occurs from normal RID water system operations and that COC concentrations exceed Annual AAQGs and industrial and residential RSLs in ambient air.

The air sampling conducted in this exposure assessment, (i.e., one-hour air samples collected to evaluate discrete and specific exposure scenarios), is limited in regards to drawing conclusions that would address potential long-term, chronic exposures, both within this assessment area and outside. The variability inherent in conducting limited environmental exposure assessments involving releases of volatile contaminants into the local air shed is a major source of uncertainty in determining the potential for long-term public exposure and health risk.

4.3 EXPOSURE ASSESSMENT FOR CONTAMINANTS OF CONCERN IN WATER

Data obtained by sampling and analysis of COCs in the RID-92 and RID-114 water systems document the occurrence of COCs at levels below concentrations believed to have an adverse health effect from dermal exposure by partial- and full body contact during bathing and swimming in the open RID laterals and canals as well as ingestion of fish caught in the RID Salt and Main Canals. The concentrations of COCs in the RID-92 lateral and downstream of RID-114 in the Salt Canal do, however, exceed levels considered acceptable for use as a drinking water source.

The frequency and duration of public use of the RID open water conveyances is not known. The RID Main Canal is an open structure, however the canal is posted with no trespassing signs and has regular security patrols in an attempt to prevent unauthorized access. Even with these precautionary measures, public exposure to waters in the open RID system has been known to occur and has been documented but is believed to be limited to localized and periodic usage in the warmer months. Based on this limited opportunity and duration of public exposure to COCs in the RID water conveyance systems, there appears to be no imminent (acute) risk to public health from exposure to COCs in RID waterways.

Lastly, it is important to note that the observed concentrations of COCs in the RID water system within the WVBA exceed RSLs as well as primary drinking water standards which would preclude future beneficial use of this water supply as a source of drinking water without implementation of mitigation measures such as treatment to remove the contaminants. Mitigation measures to provide for the future use of the contaminated water as a source of drinking water are discussed in Section 5.



4.4 LIMITATIONS AND UNCERTAINTY

As stated in the Introduction, this Public Health Exposure Assessment is not intended to quantify the risk to individuals in the local public. Instead, it is intended to provide previously unavailable data regarding the extent and magnitude of observed contaminant distribution in the local environment to facilitate preliminary, informed assessments of the potential for exposure to the public that could adversely impact human health or the environment through screening-level comparison to established guidelines. In this sense, and in keeping with risk characterization in more general terms, there are acknowledged uncertainties that limit the interpretation of data and the degree of confidence that can be placed on any inferred outcome. The following are notable areas of potential uncertainty that may limit conclusions drawn from these results.

Data Adequacy

ADEQ's expressed interest in this data collection effort, as communicated in scoping meetings, was to adequately characterize potential exposure from RID water system operations in the WVBA Site in order to ensure there is no imminent risk or endangerment to the public. Therefore, this investigation was conducted to evaluate discrete and limited exposure scenarios with data obtained from water and one-hour air samples collected in a single sampling event. This limited scope of investigation generally constrains the overall evaluation of data to these prescribed purposes. This study does, however, provide quantifiable data that are adequate to reasonably conclude the current emissions are not an imminent risk to public health. The scope of this exposure assessment does not provide the basis to make inferences of potential risk for public exposure to COCs in air over longer duration and in wider areas of the RID water system. Such an intended outcome would require far more rigorous characterization of actual risk to public health which would require extensive study of both temporal and spatial exposure data, combined with air dispersion modeling, to estimate the fate and transport of contaminants released to the environment and the reasonable, long-term exposure risk to the community.

Screening-Level Guidelines

Screening-level guidelines provide standardized, risk-based numerical criteria to use in making informed assessments of potential public health risk from exposure to measured chemical concentrations of contaminants in a medium and at a location. The screening tools are generally based on conservative assumptions in order to assure the screening values derived are protective of human health. Thus, the screening levels used in this study may overestimate the potential health risk. On the other hand, screening-level guidelines may also neglect some considerations that could be significant on a site-specific level. For example, screening-level guidelines used in this study are compound specific and neglect to consider the potential combined effects that could result from exposure to complex mixtures of chemicals, such as



occur in groundwater at the WVBA Site. The inability of screening tools to consider cumulative effects of chemical mixtures may underestimate the potential health risk.

Toxicological Parameters

The data used to derive toxicity criteria for hazardous substances is one of the greatest acknowledged sources of uncertainty in risk characterization. This potential uncertainty is particularly relevant to the chemical compounds that are COCs in the WVBA Site such as TCE and PCE, given the long-standing debate over what exposure levels pose a risk. EPA is revising toxicology criteria for TCE and PCE following their updated evaluation of potential carcinogenic risk of these compounds. Proposed changes to toxicity factors assume TCE and PCE are more carcinogenic than previously held for both the ingestion and inhalation exposure routes. If adopted, the new toxicity criteria could result in substantially more stringent risk-based screening levels.

5.0 EXPOSURE MITIGATION THROUGH THE EARLY RESPONSE ACTION

There are no points of exposure in this assessment believed to present an immediate, acute risk to human health. There are, however, a number of locations where the concentration of COCs in both air and water exceeded screening levels intended to be protective of long-term public health. In addition, the mass transfer of significant amounts of contamination from water into the air was confirmed and quantified. Consequently, there appears to be a number of opportunities for mitigating the uncontrolled release of contaminants identified in both air and water through the ERA (via engineering and operational controls) as described below.

5.1 KEY ELEMENTS OF PLANNED EARLY RESPONSE ACTIONS

The engineering design elements of the ERA include: 1) a centralized groundwater treatment facility (CGTF); 2) physical improvements to existing pipelines and canals; 3) modifications to existing extraction wells; and 4) new pipelines. A description of each element and how each will be designed/constructed to mitigate uncontrolled releases of contaminants in both air and water are described in the following sections.

5.1.1 Groundwater Treatment Systems - Engineering Controls

The most effective means of reducing concentrations of COCs in air is to provide treatment of the groundwater to remove these contaminants from the water supply. Therefore, a CGTF will be designed and constructed to treat 20,000 gallons per minute (gpm) of COC-contaminated water (that is expected to initially treat and remove over 5,000 pounds of COCs annually) using liquid-phase granular activated carbon (LGAC). The CGTF will include the following major system components: wet well, pump station, pre-filters, LGAC contactors, flush and backwash support systems, and instrumentation and controls.



The CGTF is a longer-term solution for the majority of the COC-impacted RID wells within the WVBA. However, prior to finalizing the ERA, and in coordination with ADEQ, /GAC treatment skids are planned to be installed and operated in early 2012 at four (4) of the highest contaminated RID wells (RID-89, RID-92, RID-95 and RID-114) to conduct immediate wellhead treatment. These treatment systems will provide near-term exposure mitigation of VOC releases occurring at the wellhead and in the pipelines, manholes and atmospheric exposure points located downstream of each well.

5.1.2 Water Conveyance Systems - Engineering Controls

Open Sections of Laterals and Salt Canal

The open canal sections shown on **Figure 1** and described in previous sections of this Report will be replaced with below-grade pipe during the ERA to prevent release of COCs to the atmosphere and limit public access to contaminated water.

Well Discharge “Receiver Box” Modifications

Each of the impacted RID wells has unique discharge structures/piping and will require individual modifications to implement volatilization controls. Conceptually, the existing air gap present at each well will be enclosed to minimize emissions of volatilized VOCs to the atmosphere. It is conceived that a passive GAC filter will be installed to vent this sealed enclosure to accommodate pressure differentials, allowing the enclosure to breath as discharge and atmospheric conditions change while preventing releases of COCs from the enclosed headspace to the atmosphere.

At well RID-114, the discharge from the well also enters an open topped “diversion box” approximately 30 feet west (i.e., downstream) of the fenced well site. The structure is open to the atmosphere and is located adjacent to the sidewalk on the south side of Van Buren Street. Because the structure represents a potential public exposure pathway through inhalation, it will be enclosed (i.e., with sealed cover and passive GAC filtration) to mitigate the potential exposure.

New Pipelines

Separate new pipelines will be installed later in the ERA to convey groundwater with lower VOC concentrations from RID wells 105, 109, and 110 south to the Main Canal and to convey groundwater with higher VOC concentrations from RID wells 89, 92, 95, and 100 north to the Salt Canal and then to the CGTF for treatment. Installation of these pipelines will enable treatment of impacted groundwater from RID wells with the highest VOC concentrations, which



will maximize the VOC mass removal during the ERA and eliminate public access and exposure to the highest VOC concentrations.

5.1.3 RID Water Systems - Operational Controls

RID operational controls will consist of modification to their well pumping protocols. The anticipated approach for prioritizing pumping of RID wells will be as follows:

1. impacted wells connected to treatment (i.e., wellhead or CGTF);
2. un-impacted wells; and,
3. impacted wells (with lowest COC concentrations) that do not have mitigation measures in place.

Maintaining the above pumping guidelines will help reduce public exposure to the highest VOC concentrations and most effectively utilize the in-place mitigation measures.

6.0 CONCLUSIONS

This Public Health Exposure Assessment was undertaken in order to accomplish the following objectives:

- assess the potential for public exposure to unacceptable levels of VOC contamination at the WVBA Site;
- compare the analytical results to health-based guidance levels to make a screening-level determination as to whether these substances pose an imminent and significant risk to public health; and,
- utilize the results to facilitate the development of detailed designs for engineering controls as mitigation measures, where warranted, to reduce the concentration of hazardous substances in the local environment.

Systematic air and water sampling, and resulting analytical data, provide the basis for addressing the first and second objectives. Numerous points of potential exposure were assessed through this sampling, and the analytical results were compared to the screening-level guidance values of Section 4.1.

Review of these data, and consideration of the reasonable likelihood for potential public exposure, result in the conclusion that there is not an imminent (acute) risk to the public from the contamination being released from the RID water systems. While air sampling results show that many points in the RID water systems exceed air inhalation screening-level guidelines for short-term exposure (acute MRLs and one-hour AAQGs), these points are not likely to provide a reasonable public exposure pathway due to their physical nature and locations. Similarly, water sampling results show that many points in the RID water systems exceed screening-level



guidelines for ingestion (EPA RSL - tap water and SWQSS - drinking water), however, the contaminated water is not expected to lead to an unacceptable public exposure based on the limited and transient potential use of this water as a source of drinking water. Water from the RID system in the WVBA Site is not currently used for municipal drinking water supply.

While there does not appear to be any imminent (acute) exposure risk to the public from these contaminants, the long-term effects from exposure to volatilized COCs in the air are uncertain. The results of this study confirmed the presence of WVBA Site COCs in all air samples obtained in and proximal to the RID wells and water conveyance systems. Many of the air samples, collected in representative breathing-zones, exceed screening-level guidelines for chronic exposure to TCE and PCE (annual AAAQGs and industrial/residential RSLs) in ambient air. In contrast, COCs were not detected in air samples obtained in background locations positioned away from the RID water system.

This Public Health Exposure Assessment is not intended to quantify the level of risk to the public, but rather to provide data to assess whether imminent public exposure risk is present. There are many uncertainties inherent in any such assessment, as described in Section 4.4, that limit the interpretation of data and the degree of confidence that can be placed on any inferred outcome. While this assessment cannot be used to calculate the numerical risk associated with these exposures, it is reasonable to conclude that the relative level of risk is greater in the presence of detectable COCs than it is in their absence.

The analytical results from this sampling demonstrate that significant transfer of these volatile contaminants from the water into the air is occurring, persistent and ongoing. This transfer of mass from one media to another represents uncontrolled releases to the local environment and is not consistent with ADEQ policy. Consequently, and regardless of the uncertainty of the magnitude of effects of long-term exposure to public health, RID intends to implement measures to limit these exposures. As outlined in the approved ERA, RID intends to design and construct engineering controls, such as groundwater treatment systems and physical enclosures for selected open segments of the water system, as discussed in Sections 5.1.1 and 5.1.2. RID also intends to implement operational controls to prioritize pumping as discussed in Section 5.1.3.



7.0 REFERENCES CITED

Agency for Toxic Substances and Disease Registry (ATSDR), 1997. Toxicological Profile for Tetrachloroethylene, Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service, originally published September 1997 and last updated March 2011.

_____, 1997. Toxicological Profile for Trichloroethylene, Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service, originally published September 1997 and last updated March 2011.

_____, 2011. Minimal Risk Levels Narrative and MRL List provided on Toxic Substances Portal of ATSDR Web Site (<http://www.atsdr.cdc.gov/mrls/index.asp>)

Arizona Department of Environmental Quality (ADEQ), 2010. Review of Public Health Exposure Assessment and Mitigation Work Plan. Letter dated October 7.

_____, 2011. Proposed Remedial Objectives Report, West Van Buren Area WQARF Registry Site, Phoenix, Arizona, May 16.

Arizona Department of Health Services (ADHS), 1999. Arizona Ambient Air Quality Guidelines (AAAQGs). May 1999.

Arizona Administrative Code (A.A.C.) Title 18 Chapter 11, Section R18-11-406. Arizona Surface Water Quality Standards (AWQS).

_____, Title 18 Chapter 11, Section R18-11-109. Arizona Surface Water Quality Standards (SWQS).

_____, 2001, Roosevelt Irrigation District Canal Characterization Report, West Van Buren WQARF Registry Site, Phoenix, AZ, prepared for ADEQ.

Montgomery & Associates, 2010. Work Plan, Roosevelt Irrigation District Early Response Action, West Van Buren Water Quality Assurance Revolving Fund Site, February 3.

Synergy Environmental, 2011. Task 1 Work Plan, Public Health Exposure Assessment and Mitigation, Roosevelt Irrigation District Early Response Action, June 16.

Terranext, 2008. Draft Remedial Investigation Report, West Van Buren WQARF Registry Site, Phoenix, AZ, prepared for ADEQ.



Thomas, R.G., 1982. Volatilization from Water. In: Handbook of Chemical Physical Property Estimation Methods: Environmental Behavior of Environmental Compounds, Lyman W.J., Reehl, W.F., and Rosenblatt, D.H. (editors), McGraw Hill Book Company, New York.

United States Environmental Protection Agency, 1979. Water-Related Environmental Fate of 129 Priority Pollutants, Volume II. Prepared by the Office of Water and Waste Management, Publication # EPA/440/4-79-029b December 1979.

_____, 1981. Aquatic Fate Process Data of Organic Priority Pollutants. Washington, D.C.: U.S. Environmental Protection Agency, 161-162. EPA-440/4-81-014.

_____, 1991. Risk Assessment Guidance for Superfund, Volume I - Human Health Evaluation Manual. December. (EPA/540/R-92/003)

_____, 2010. Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites. May. (EPA Web Portal <http://www.epa.gov/region9/superfund/prg/>)



TABLES

TABLE 1.
SUMMARY OF HISTORICAL CONTAMINATION - ROOSEVELT IRRIGATION DISTRICT WELLS
West Van Buren Area WQARF Registry Site

TCE																								
Sample	RID Well Number																							
	Date	83	84	85	89	92	94	95	99	100	101	102	103	104	105	106	107	108	109	110	112	113	114	
Jun-03	NS	8.8	0.57	33	38	92	7.1	51	2.3	63	NS	NS	NS	NS	1.0	14	13	9.4	13	3.4	5.5	19	98	
Jun-04	NS	5.9	ND	28	33	94	NS	62	1.7	42	NS	NS	NS	NS	NS	15	13	4.5	11	2.5	6.7	26	79	
Aug-04	NS	4.7	ND	27	58	94	NS	56	1.5	59	NS	NS	NS	NS	0.59	15	13	2.6	12	2.4	5.5	23	85	
Apr-05	NS	3.1	ND	33	97	97	NS	72	NS	25	NS	NS	NS	NS	0.61	16	13	4.0	11	3.3	13	35	96	
Dec-06	NS	2.1	ND	NS	79	79	0.76	47	0.51	18	NS	NS	NS	NS	0.55	14	NS	3.1	7.4	2.7	14	37	110	
Mar-08	NS	NS	ND	23	71	85	NS	55	NS	20	NS	NS	NS	NS	ND	13	NS	2.3	7.8	2.1	8.1	18	90	
Sep-08	NS	1.4	ND	32	85	81	0.81	56	0.71	34	ND	ND	ND	1.2	0.58	NS	11	3.2	7.7	1.8	19	NS	85	
Jun-10	NS	NS	NS	30	71	47	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	80	
	ND	1.2	NS	NS	32	84	ND	57	NS	NS	NS	0.72	ND	0.79	0.57	10	9.5	2.6	6.5	1.9	17	NS	87	
Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.51	8.6	7.4	2.4	5.5	1.5	12	29	74	
	NS	NS	NS	NS	NS	NS	ND	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

PCE																								
Sample	RID Well Number																							
	Date	83	84	85	89	92	94	95	99	100	101	102	103	104	105	106	107	108	109	110	112	113	114	
Jun-03	NS	52	4.5	12	28	5.0	7.1	18	15	NS	NS	NS	NS	NS	5.8	28	15	15	10	11	8.6	6.0	5.3	
Jun-04	NS	51	1.7	12	29	NS	7.7	11	9.7	NS	NS	NS	NS	NS	4.5	45	18	12	10	11	8.7	6.2	4.4	
Aug-04	NS	30	1.2	9.3	14	NS	4.8	7.2	8.3	NS	NS	NS	NS	NS	3.2	37	12	4.6	7.2	7.9	4.9	4.0	3.4	
Apr-05	NS	28	0.82	12	25	NS	7.4	NS	11	NS	NS	NS	NS	NS	4.8	49	16	9.8	9.8	12	6.0	4.6	5.8	
Dec-06	NS	18	0.56	NS	20	1.1	5.3	12	8.8	NS	NS	NS	NS	NS	4.5	45	NS	11	9.2	11	5.3	4.5	6.3	
Mar-08	NS	NS	ND	9.3	20	NS	5.3	14	9.3	NS	NS	NS	NS	NS	4.1	39	NS	12	6.5	10	4.8	4.2	5.0	
Sep-08	NS	10	ND	11	19	1.2	5.2	7.9	7.8	ND	NS	12	ND	7.5	3.9	NS	13	10	8.5	7.7	4.5	NS	4.6	
Jun-10	NS	NS	NS	9.5	17	0.69	4.9	NS	NS	NS	NS	NS	NS	NS	3.4	27	10	ND	6.9	7.9	4.5	NS	4.7	
	NS	8.8	NS	NS	8.7	NS	5.0	7.0	NS	NS	NS	17	NS	NS	NS	NS	6.7	NS	6.9	NS	NS	NS	4.3	
Apr-11	NS	NS	NS	NS	NS	0.87	NS	7.3	NS	NS	NS	NS	NS	NS	3.0	21	6.8	7.6	6.0	6.5	3.0	2.8	3.9	

1,1-DCE																							
Sample	RID Well Number																						
	Date	83	84	85	89	92	94	95	99	100	101	102	103	104	105	106	107	108	109	110	112	113	114
Jun-03	NS	7.6	1.9	4.1	3.5	1.9	3.4	1.1	21	NS	NS	NS	NS	2.4	11	9.0	3.0	5.4	1.9	ND	ND	NS	2.4
Jun-04	NS	5.2	ND	3.4	5.4	NS	5.5	1.3	15	NS	NS	NS	NS	ND	13	7.5	1.9	5.2	ND	ND	ND	1.4	3.0
Aug-04	NS	2.4	ND	2.5	2.5	NS	5.2	1.6	16	NS	NS	NS	NS	ND	13	6.3	NS	3.4	ND	ND	1.3	2.4	3.0
Apr-05	NS	2.5	ND	3.1	3.5	NS	8.8	NS	9.0	NS	NS	NS	NS	ND	12	7.5	ND	4.0	ND	ND	ND	1.4	4.0
Dec-06	NS	1.4	ND	NS	4.2	1.2	7.6	2.5	7.8	NS	NS	NS	NS	NS	0.98	9.0	NS	0.98	3.5	ND	0.71	1.8	5.4
Mar-08	NS	ND	1.9	2.7	NS	NS	6.4	1.2	6.0	NS	NS	NS	NS	NS	ND	7.4	NS	ND	2.7	ND	ND	NS	2.5
Sep-08	NS	0.99	ND	3.2	4.4	0.98	6.9	2.0	9.3	2.0	ND	1.6	1.0	0.78	NS	4.7	0.98	3.2	ND	0.91	ND	NS	3.7
Jun-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	ND	0.76	NS	2.7	4.4	0.85	8.4	1.4	NS	NS	NS	ND	1.4	0.76	0.66	5.7	3.6	0.84	3.0	ND	0.76	NS	5.5
Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	NS	NS	NS	NS	NS	NS	0.87	NS	1.1	NS	NS	NS	NS	NS	0.68	5.0	2.9	0.88	2.9	ND	0.64	2.5	4.7

EXPLANATION:

All numeric values presented in micrograms per liter (ug/L)

NS = Not Sampled

ND = Non-detect result (typically less than reporting limit of 0.50 ug/L)

RID Split sampling results with analyses by TestAmerica, Inc.

--- = No Split Collected by RID

TCE = Trichloroethene (Maximum Contaminant Level [MCL] & Aquifer Water Quality Standard [AWQS] of 5 ug/L)

PCE = Tetrachloroethene (MCL & AWQS of 5 ug/L)

1,1-DCE = 1,1-Dichloroethene (MCL & AWQS of 7 ug/L)

X.X = meets or exceeds MCL & AWQS



TABLE 2.
SUMMARY OF HISTORICAL CONTAMINATION - ROOSEVELT IRRIGATION DISTRICT CANALS
 West Van Buren WQARF Registry Site

RID CANAL LOCATION								
Sample Date	Main Canal, West of 83rd Ave	Main Canal, Upstream of Salt Canal	Main Canal, West of 43rd Ave	Main Canal, West of 67th Avenue / RID-85	Main Canal, West of RID-84	Salt Canal, West of RID-105	Open Lateral, South of RID-92	
TCE	Jun-10	NS	2.5	NS	2.8	2.7	11	56
		NS	2.5	NS	2.7	2.6	12	70
		4.4	NS	---	---	NS	9.0	NS
	Apr-11	5.6	NS	2.6	2.3	NS	12	NS

RID CANAL LOCATION							
Sample Date	Main Canal, West of 83rd Avenue	Main Canal, Upstream of Salt Canal	Main Canal, West of 43rd Avenue	Main Canal, West of 67th Avenue / RID-85	Main Canal, West of RID-84	Salt Canal, West of RID-105	Open Lateral, South of RID-92
PCE	NS	1.4	NS	1.4	1.4	5.9	11
	NS	1.5	NS	1.5	1.4	6.1	12
	2.1	NS	---	---	NS	3.9	NS
	2.6	NS	1.5	1.2	NS	4.6	NS
Apr-11							

RID CANAL LOCATION							
Sample Date	Main Canal, West of 83rd Avenue	Main Canal, Upstream of Salt Canal	Main Canal, West of 43rd Avenue	Main Canal, West of 67th Avenue / RID-85	Main Canal, West of RID-84	Salt Canal, West of RID-105	Open Lateral, South of RID-92
Jun-10	NS	<0.50	NS	<0.50	<0.50	1.4	1.4
	NS	<0.50	NS	<0.50	<0.50	1.5	2.2
Apr-11	<0.50	NS	---	---	NS	0.94	NS
	0.74	NS	<0.50	<0.50	NS	1.4	NS
1,1-DCE							

EXPLANATION:

All numeric values presented in micrograms per liter (ug/L)

NS = Not Sampled

ND = Non-detect result (typically less than reporting limit of 0.50 ug/L)

RID Split sampling results with analyses by TestAmerica, Inc.

--- = No Split Collected by RID

TCE = Trichloroethene (Maximum Contaminant Level [MCL] & Aquifer Water Quality Standard [AWQS] of 5 ug/L)

PCE = Tetrachloroethene (MCL & AWQS of 5 ug/L)

1,1-DCE = 1,1-Dichloroethene (MCL & AWQS of 7 ug/L)

X.X = meets or exceeds MCL & AWQS

TABLE 3.
SUMMARY OF CONSTRUCTION AND PUMPING DETAILS FOR
ROOSEVELT IRRIGATION DISTRICT WELLS
 West Van Buren Area WQARF Site

Well Name	ADWR Number	Hole Depth (feet, bis)	Screened Interval(s) (feet, bis)	Unit(s) Screened ^a	Year Constructed	Casing Total Depth (feet, bis)	Casing Diameter (inches)	Reported Depth to Water ^b (feet, bis)	Registered Pump Capacity (gpm)	Historical Pumping Rate (est) (gpm)	2010 Pumping Rate (gpm)	Pump Setting Depth (feet, bis)	Volume of Groundwater Pumped, 2008 (Acf / MG)	Estimate of COC Mass Discharged, 2008 (pounds)	Volume of Groundwater Pumped, 2010 (Acf / MG)	Estimate of COC Mass Discharged, 2010 (pounds)
RID-83	55-607227	790	170-790	UAU, MAU, LAU	1/12/72	790	18	106	1,940	2,300	2,356	260	2,505 / 816	0	2,132 / 695	0
RID-84	55-607226	600	130-518	UAU, MAU	2/4/52	532	16	107	2,419	2,400	2,581	220	2,417 / 788	81	2,865 / 934	84
RID-85	55-607225	700	135-682	UAU, MAU, LAU	4/11/52	700	20	100	3,495	2,600	2,917	180	2,604 / 848	0	2,001 / 652	0
RID-86	55-607224	300	55-288	UAU	10/22/40; redrill	300	24	96	5,286	3,600	4,376	200	4,229 / 1,378	0	5,143 / 1,676	0
RID-87	55-607223	500	75-480	UAU, MAU	8/7/47; redrill	496	20	97	4,570	2,000	2,132	200	1,912 / 623	0	1,546 / 504	0
RID-88	55-607222	1,800	165-820 835-1,485 1,500-1,785	UAU, MAU, LAU	11/29/64 redrill	1785	24 20 16	96	3,718	2,000	2,132	290	2,492 / 812	0	1,600 / 521	0
RID-89	55-607221	1,800	180-805 860-1,434 1,465-1,770	UAU, MAU, LAU redrill	4/29/65; redrill	1785	20 16 12	107	3,853	3,900	3,703	200	3,763 / 1,226	473	3,655 / 1,191	431
RID-90	55-607220	460	110-446	UAU, MAU ^c	5/13/52	446	20	91	3,494	2,500	2,525	290	2,923 / 952	0	2,749 / 896	0
RID-91	55-607219	449	80-448	UAU, MAU ^c	3/12/99	449	20	95	5,510	3,478	3,478	280	3,647 / 1,188	0	3,987 / 1,299	0
RID-92	55-607218	500	180-488	UAU, MAU redrill	2/9/59; redrill	488	20	105	1,971	1,200	1,627	270	1,196 / 390	353	1,075 / 350	308
RID-93	55-607217	540	110-431	UAU, MAU ^c	3/9/57	445	24	90	6,944	4,000	5,049	180	2,173 / 708	0	4,402 / 1,434	0
RID-94	55-607216	425	85-412	UAU	6/29/52	425	24	93	6,138	3,300	3,647	180	1,846 / 601	15	3,115 / 1,015	13
RID-95	55-607215	1,800	180-815 836-1,470 1,497-1,775	UAU, MAU, LAU redrill	12/29/64; redrill	1775	24 20 16	96	3,875	2,300	2,076	220	2,138 / 697	396	1,390 / 453	266
RID-96	55-607214	800	123-788	UAU, MAU, LAU	5/7/68	788	24	86	4,480	3,000	3,142	180	3,133 / 1,021	0	2,798 / 912	0
RID-97	55-607213	1,800	200-824 836-1,490 1,500-1,788	UAU, MAU, LAU	10/26/65	1788	24 20 16	83	5,958	3,200	3,366	200	3,200 / 1,043	0	2,792 / 910	0
RID-98	55-607212	1,675	200-785 800-1,480 1,500-1,665	UAU, MAU, LAU redrill	8/28/65; redrill	1675	24 20 16	82	5,286	3,800	4,320	200	3,464 / 1,129	0	3,717 / 1,211	0
RID-99	55-607211	420	70-400	UAU	6/24/52	420	24	90	2,778	2,400	2,693	180	2,207 / 719	64	1,970 / 642	45
RID-100	55-607210	302	55-290	UAU	10/10/40	302	24	101	3,136	2,100	2,469	230	1,881 / 613	261	1,699 / 554	236
RID-101	55-607209	400	110-390	UAU	2/28/69	400	24	84	6,720	4,500	4,881	180	2,870 / 935	16	3,476 / 1,133	19
RID-102	55-607196	440	85-414	UAU	8/4/52	428	24	86	5,958	3,900	4,825	170	2,874 / 936	94	3,932 / 1,281	189
RID-103	55-607208	440	80-420	UAU	8/1/52	440	24	86	4,614	2,200	1,851	220	1,398 / 455	6	1,542 / 502	6
RID-104	55-607207	410	100-370	UAU	6/14/57; redrill (new location)	390	24	86	5,510	3,600	4,601	200	3,059 / 997	81	3,118 / 1,016	64
RID-105	55-607206	622	80-508	UAU, MAU redrill	7/14/42; redrill	622	20	112	2,374	1,900	1,964	260	1,697 / 553	24	1,453 / 474	18
RID-106	55-607205	790	80-776	UAU, MAU, LAU redrill	5/30/42; redrill	790	20	116	3,000	1,500	1,571	200	1,204 / 392	167	1,037 / 338	121
RID-107	55-607204	414	200-404	UAU	5/22/43; redrill	414	24	117	2,195	2,100	2,020	220	1,823 / 594	142	1,735 / 565	109
RID-108	55-607203	284	62-270	UAU	11/22/40; redrill	276	24	119	1,711	1,900	2,076	210	1,688 / 550	65	1,579 / 514	52
RID-109	55-607202	500	140-394	UAU	5/18/57; redrill	406	20	119	2,845	2,400	2,469	200	2,065 / 673	109	1,717 / 559	77

TABLE 3.
SUMMARY OF CONSTRUCTION AND PUMPING DETAILS FOR
ROOSEVELT IRRIGATION DISTRICT WELLS
West Van Buren Area WQARF Site

Well Name	ADWR Number	Hole Depth (feet, bis)	Screened Interval(s) (feet, bis)	Unit(s) Screened ^a	Year Constructed	Casing Total Depth (feet, bis)	Casing Diameter (inches)	Reported Depth to Water ^b (feet, bis)	Registered Pump Capacity (gpm)	Historical Pumping Rate (est) (gpm)	2010 Pumping Rate (gpm)	Pump Setting Depth (feet, bis)	Volume of Groundwater Pumped, 2008 (AF / MG)	Estimate of COC Mass Discharged, 2008 (pounds)	Volume of Groundwater Pumped, 2010 (AF / MG)	Estimate of COC Mass Discharged, 2010 (pounds)
RID-110	55-607201	500	140-465	UAU, MAU	4/18/57; redrill	480	20	121	3,069	2,900	3,142	240	2,243 / 731	58	2,158 / 703	58
RID-111	55-607200	454	55-192 206-442	UAU, MAU	3/30/43; redrill	454	24 16	122	2,016	2,000	0	---	0 / 0	0	0 / 0	0
RID-111R	55-220320	425	100-420	UAU	in progress; replacement	420	20	TBD	2,016	TBD	n/a	TBD	n/a	n/a	n/a	n/a
RID-112	55-607199	650	300-635	UAU, MAU, LAU	9/15/43	650	16	106	3,136	1,700	1,683	210	1,447 / 472	96	1,197 / 390	72
RID-113	55-607198	415	228-398	UAU	1/24/53	398	20	n/a	3,136	2,300	2,469	220	1,570 / 512	147	1,450 / 472	135
RID-114	55-607197	395	205-380	UAU	2/11/53	395	20	104	2,240	2,500	2,749	220	2,127 / 693	540	1,946 / 634	512
TOTALS: 73,793 / 24,045 3,187 74,975 / 24,431 2,816																
Contaminated-Only Wells: 41,510 / 13,526 -- 42,110 / 13,721 --																

^aExplanation:

^bBased on well driller's log

^cRID reported 2010 non-pumping water levels.

RID-XX Yellow highlighted wells produce groundwater impacted by volatile organic compounds.

Abbreviations:

mst = above mean sea level

bis = below land surface

WVBA = West Van Buren Area

AF = acre-feet

MG = million gallons

COC = Trichloroethene, Tetrachloroethene and 1,1-Dichloroethene

TABLE 4.
SUMMARY OF LABORATORY RESULTS: AIR SAMPLING, JUNE 28-29, 2011
 West Van Buren Area WQARF Registry Site

Sample Location/ID	Sample Description	Date	Time	Canister #	Time-Integrated Sampler #	Initial Canister Vacuum (field), inches Hg	Final Canister Vacuum (field), inches Hg	Sample Method	Analytical Results, presented as micrograms per cubic meter (ug/m ³)		
									1,1-DCE	TCE	PCE
A2	RID-92 @ head space of collection box	6/28/11	8:35 - 9:35	1825	7331026	28.0	8.2	TO-15	990	2,040	62.4
A4	RID-92 @ breathing zone above collection box	6/28/11	8:36 - 9:36	1472	7341804	28.1	10.8	TO-15 SIM	1.35	10.7	5.22
A9	RID-92 @ breathing zone of virtual fence (N)	6/28/11	8:37 - 9:37	1451	7339733	28.3	9.5	TO-15 SIM	0.51	5.53	1.97
A10	RID-92 @ breathing zone of virtual fence (E)	6/28/11	8:38 - 9:38	1471	7339730	28.4	9.6	TO-15 SIM	1.15	9.13	4.27
A11	RID-92 @ breathing zone of virtual fence (S)	6/28/11	8:39 - 9:39	1453	7331020	28.3	9.6	TO-15 SIM	0.71	7.79	2.64
A12	RID-92 @ breathing zone of virtual fence (W)	6/28/11	8:40 - 9:40	5865	7339830	28.4	9.6	TO-15 SIM	0.20	1.88	0.81
A14	Background location south of RID-92	6/28/11	8:35 - 9:35	1462	7339899	28.5	11.5	TO-15 SIM	<0.16	<0.21	<0.27
A20	Head space @ RID-92 lateral at opening	6/28/11	8:35 - 9:35	1800	7341803	28.2	9.4	TO-15	2,730	5,210	461
Duplicate C	Duplicate of A20	6/28/11	8:35 - 9:35	1881	7342111	28.2	10.2	TO-15	2,460	5,100	285
A21	Surface of RID-92 lateral @ open section	6/28/11	8:36 - 9:36	1445	7342318	28.3	11.4	TO-15 SIM	0.95	11.8	3.86
A22	Surface of Main Canal @ RID-92 discharge	6/28/11	8:35 - 9:35	1458	7342317	28.2	11.1	TO-15 SIM	51.5	199	31.2
A1	RID-114 @ head space of collection box	6/29/11	7:50 - 8:50	1867	7342111	28.3	8.4	TO-15	1,390	4,080	115
A3	RID-114 @ breathing zone above collection box	6/29/11	7:52 - 8:52	1444	7342317	28.1	10.8	TO-15 SIM	0.87	7.52	0.95
A5	RID-114 @ breathing zone of virtual fence (N)	6/29/11	7:51 - 8:51	1466	7342162	28.0	10.8	TO-15 SIM	0.67	6.44	0.88
A6	RID-114 @ breathing zone of virtual fence (E)	6/29/11	7:53 - 8:53	1460	7339899	28.7	10.5	TO-15 SIM	0.67	6.44	0.95
A7	RID-114 @ breathing zone of virtual fence (W)	6/29/11	7:55 - 8:55	1468	7342163	28.0	9.8	TO-15 SIM	1.19	10.2	1.08
A8	RID-114 @ breathing zone of virtual fence (S)	6/29/11	7:54 - 8:54	1448	7342144	28.0	9.3	TO-15 SIM	1.07	10.7	1.22
A13	Background location north of RID-114	6/29/11	7:50 - 8:50	1459	7339733	28.2	9.2	TO-15 SIM	<0.16	<0.21	<0.27
A15	RID-114 @ head space of diversion box	6/29/11	7:51 - 8:51	1876	7342107	27.0	7.9	TO-15	1,620	3,110	35.3
A16	RID-114 @ breathing zone above diversion box	6/29/11	7:50 - 8:50	1447	7339730	28.2	9.3	TO-15 SIM	3.92	29.0	4.07
A17	Head space in Salt Canal manhole	6/29/11	7:50 - 8:50	1465	7341807	28.0	8.7	TO-15	2,570	17,700	1,020
A18	Head space in Salt Canal pipe @ opening (79th Ave)	6/29/11	10:36 - 11:36	1886	7341806	28.2	8.5	TO-15	5.15	25.2	4.88
Duplicate D	Duplicate of A18	6/29/11	10:36 - 11:36	1812	7331026	28.5	8.8	TO-15	5.94	26.9	7.46
A19	Surface of Salt Canal @ open section	6/29/11	10:35 - 11:35	1463	7339830	28.5	10.0	TO-15 SIM	2.18	17.7	5.09
A23	Surface of Main Canal @ Salt Canal Discharge	6/29/11	10:35 - 11:35	1446	7331020	28.2	9.8	TO-15 SIM	0.79	6.44	1.70

EXPLANATION:

SCREENING LEVEL STANDARDS AND GUIDELINES (all values in ug/m³):

1,1-DCE = 1,1-Dichloroethene
 TCE = Trichloroethene
 PCE = Perchloroethene
 AAAQG = Arizona Ambient Air Quality Guidelines
 RSL = Regional Screening Levels

Constituent	AAAQG, 1-hr	AAAQG, 24-hr	AAAQG, Annual	RSL - Residential	RSL - Industrial	MRL - Acute	MRL - Intermediate	MRL - Chronic
1,1-DCE	130	63	--	210	880	N/A	80	N/A
TCE	810	210	0.58	1.2	6.1	11,000	540	N/A
PCE	1,300	640	1.7	0.41	2.1	1,350	N/A	270

Hg = Mercury
 SIM = Selective Ion Monitoring
 MRL = Minimal Risk Level, Agency for Toxic Substances and Disease Registry (ATSDR)
 N/A = Not available

TABLE 5.
SUMMARY OF LABORATORY RESULTS: WATER SAMPLING, JUNE 27-29, 2011
West Van Buren Area WQARF Registry Site

Sample Location/ID	Sample Description	Date	Analytical Results (values in micrograms per liter, µg/l) - All other VOCs in all samples were less than the respective detection limits										
			Freon-11	TCE	PCE	MTBE	Freon-12	Dibromo-chloromethane	cis-1,2-DCE	Chloroform	Bromodi-chloromethane	1,1-DCE	1,1-DCA
W-1	Well discharge @ RID-114	6/29/11	0.82	71	3.9	<0.50	<0.50	<0.50	12	2.3	<0.50	4.4	3.2
W-2	Well discharge @ RID-92	6/28/11	0.52	75	14	<0.50	<0.50	<0.50	7.2	3.4	<0.50	5.0	2.0
W-3	Well discharge @ RID-105	6/27/11	<0.50	0.58	3.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.68	<0.50
W-4	Well discharge @ RID-106	6/27/11	0.93	9.0	25	<0.50	<0.50	<0.50	1.3	1.9	<0.50	4.9	<0.50
W-5	Well discharge @ RID-107	6/27/11	0.80	8.5	8.8	<0.50	0.65	<0.50	<0.50	1.5	<0.50	2.9	<0.50
W-6	Well discharge @ RID-108	6/27/11	<0.50	2.8	7.5	2.7	<0.50	<0.50	<0.50	1.2	<0.50	0.76	<0.50
W-7	Well discharge @ RID-109	6/27/11	<0.50	7.0	6.3	<0.50	1.0	<0.50	<0.50	2.8	<0.50	2.5	<0.50
W-8	Well discharge @ RID-110	6/27/11	<0.50	1.4	7.3	<0.50	<0.50	<0.50	<0.50	3.7	<0.50	<0.50	<0.50
W-10	Well discharge @ RID-112	6/27/11	<0.50	14	3.6	<0.50	<0.50	<0.50	2.0	3.8	<0.50	0.62	<0.50
W-11	Well discharge @ RID-113	6/27/11	<0.50	27	3.2	<0.50	<0.50	<0.50	4.4	2.9	<0.50	2.2	1.1
W-12	Well discharge @ RID-84	6/27/11	<0.50	1.4	9.7	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	0.88	<0.50
W-13	Well discharge @ RID-89	6/28/11	<0.50	30	9.3	<0.50	<0.50	<0.50	3.0	2.8	<0.50	2.5	0.81
W-14	Well discharge @ RID-95	6/28/11	<0.50	58	4.6	<0.50	<0.50	<0.50	9.8	1.2	<0.50	7.9	4.4
W-15	Well discharge @ RID-100	6/28/11	<0.50	17	7.1	<0.50	<0.50	<0.50	5.4	1.4	<0.50	4.2	2.6
W-16	Well discharge @ RID-102	6/28/11	<0.50	0.56	12	<0.50	<0.50	<0.50	<0.50	0.59	<0.50	<0.50	<0.50
W-17	Well discharge @ RID-104	6/28/11	<0.50	0.57	5.3	<0.50	<0.50	<0.50	<0.50	0.87	<0.50	0.51	<0.50
W-18	Salt Canal @ manhole	6/29/11	<0.50	61	2.9	<0.50	<0.50	<0.50	12	2.1	<0.50	3.2	2.9
W-19	Open section of Salt Canal	6/27/11	<0.50	14	5.9	<0.50	<0.50	<0.50	2.2	2.2	<0.50	1.5	0.62
W-20	Open section of RID-92 lateral	6/28/11	<0.50	56	9.7	<0.50	<0.50	<0.50	6.4	2.9	<0.50	3.1	1.6
W-21	RID-92 lateral discharge into Main Canal	6/28/11	<0.50	54	8.6	<0.50	<0.50	<0.50	6.2	2.9	<0.50	2.6	1.6
W-22	@ ~500 ft downstream of Salt Canal discharge	6/27/11	<0.50	4.2	1.9	<0.50	<0.50	0.70	0.74	3.0	1.7	<0.50	<0.50
TB	Trip Blank	6/27/11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TB	Trip Blank	6/28/11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
TB	Trip Blank	6/29/11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EB-1	Equipment Blank	6/27/11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EB-2	Equipment Blank	6/28/11	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Duplicate A	Duplicate of W-19	6/27/11	<0.50	14	6.0	<0.50	<0.50	<0.50	2.4	2.2	<0.50	1.7	0.63
Duplicate B	Duplicate of W-13	6/28/11	<0.50	31	9.6	<0.50	<0.50	<0.50	3.2	2.5	<0.50	2.8	0.72
Duplicate E	Duplicate of W-18	6/29/11	<0.50	61	3.0	<0.50	<0.50	<0.50	12	2.2	<0.50	3.2	3.0

EXPLANATION:

Freon-11 = Trichlorofluoromethane
TCE = Trichloroethene
PCE = Perchloroethene
MTBE = Methyl tert-butyl ether
Freon-12 = Dichlorodifluoromethane
cis-1,2-DCE = cis-1,2-Dichloroethene
1,1-DCE = 1,1-Dichloroethene
1,1-DCA = 1,1-Dichloroethane
AWQS = Aquifer Water Quality Standards
RSL = Regional Screening Levels

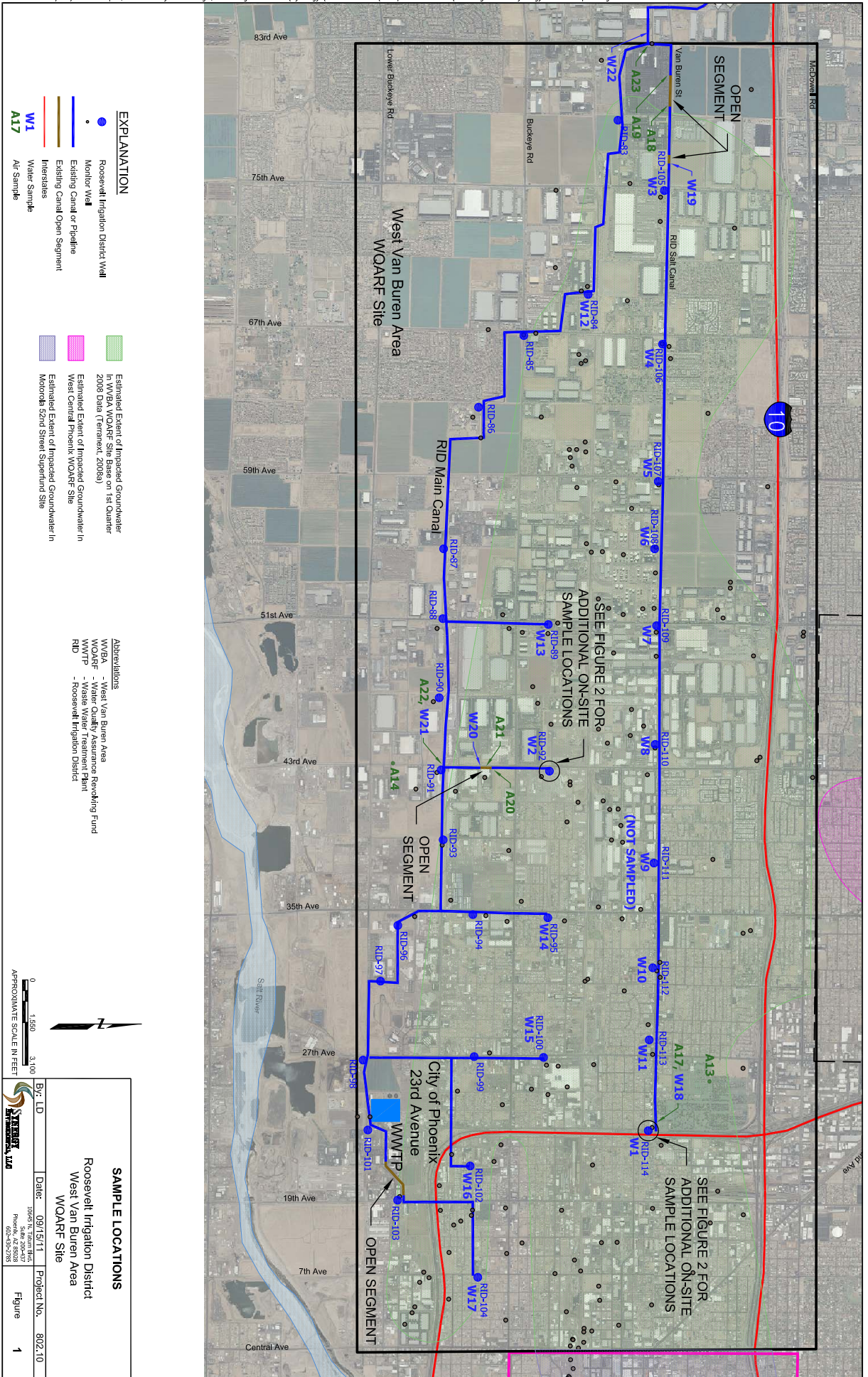
SCREENING LEVEL STANDARDS AND GUIDELINES (all values in µg/l):

Surface Water Quality Standards (SWQS)						
COC	PBC	FBC	FC	DW	AWQS - MCL	RSL - Tap Water
1,1-DCE	46,667	46,667	7,143	7	7	340
TCE	280	280,000	29	5	5	2
PCE	9,333	9,333	261	5	5	0.11

COC = Contaminant of Concern
PBC = Partial Body Contact
FBC = Full Body Contact
FC = Fish Consumption
DW = Drinking Water
MCL = Maximum Contaminant Level



FIGURES




[illegible]

<u>EXPLANATION</u>	
X	Existing 6ft Chain Link Fence
A1	Air Sample

A1 Air Sample





Sydney Irrigation, Ltd.
10000 10th Avenue NE
Seattle, WA 98120
206-453-2785

By: LD	Date: 09/09/11	Project No. 802.10	
	10405 N. Aurora Ave., Burien, WA 98148		
	Property: AZ 00038	Figure 2	

FIGURE 3
TCE Results of RID-92 Water System Sampling

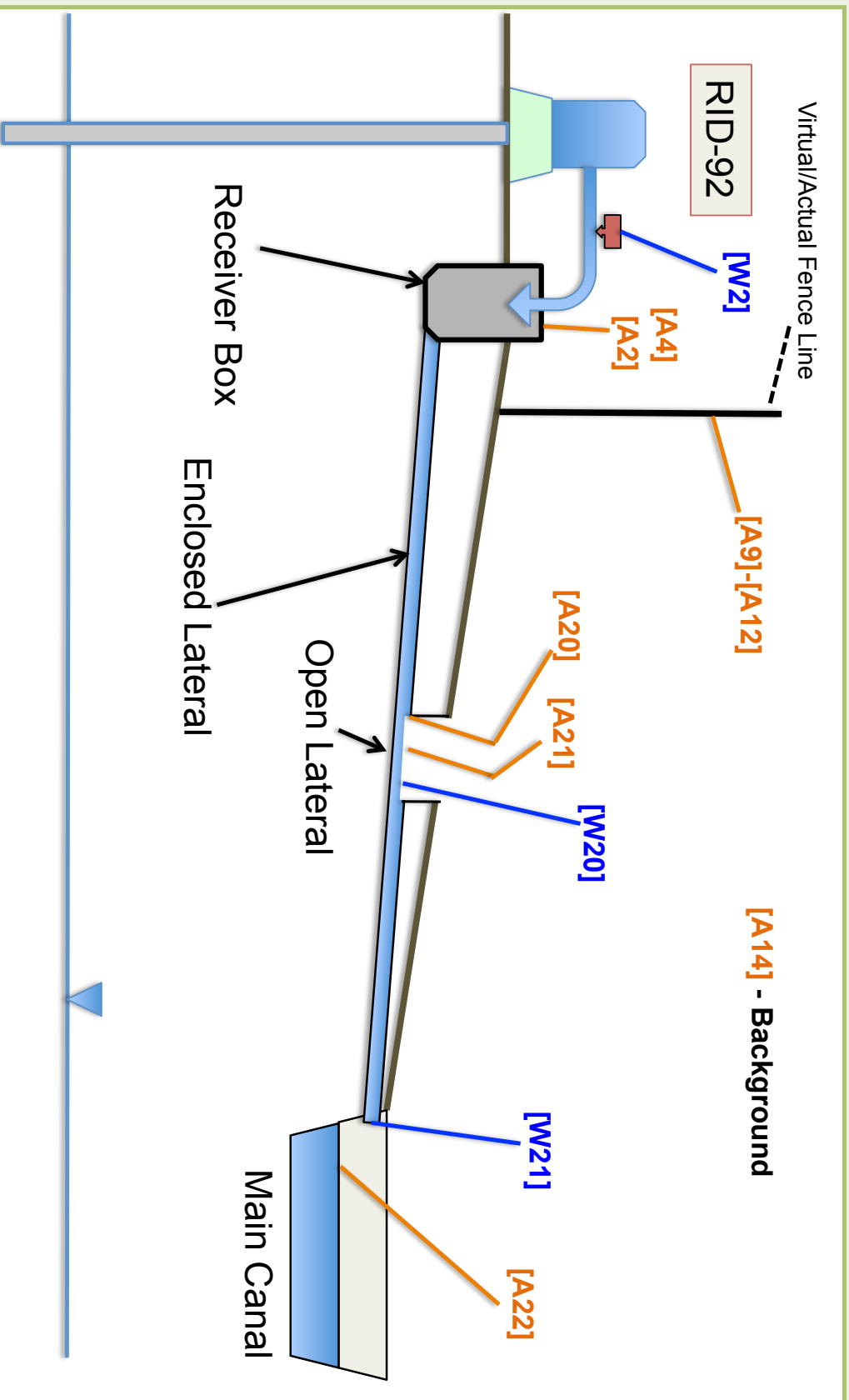
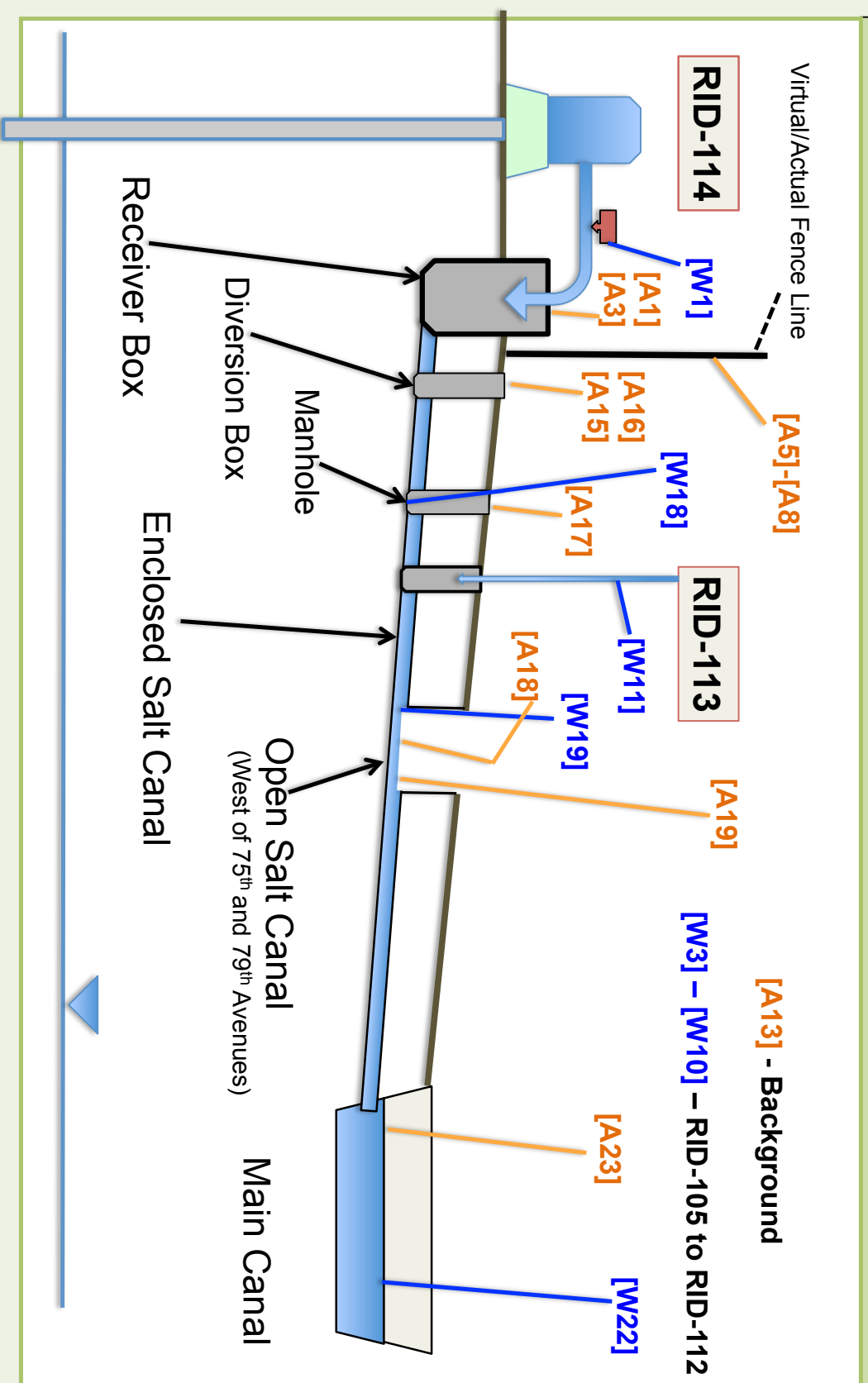
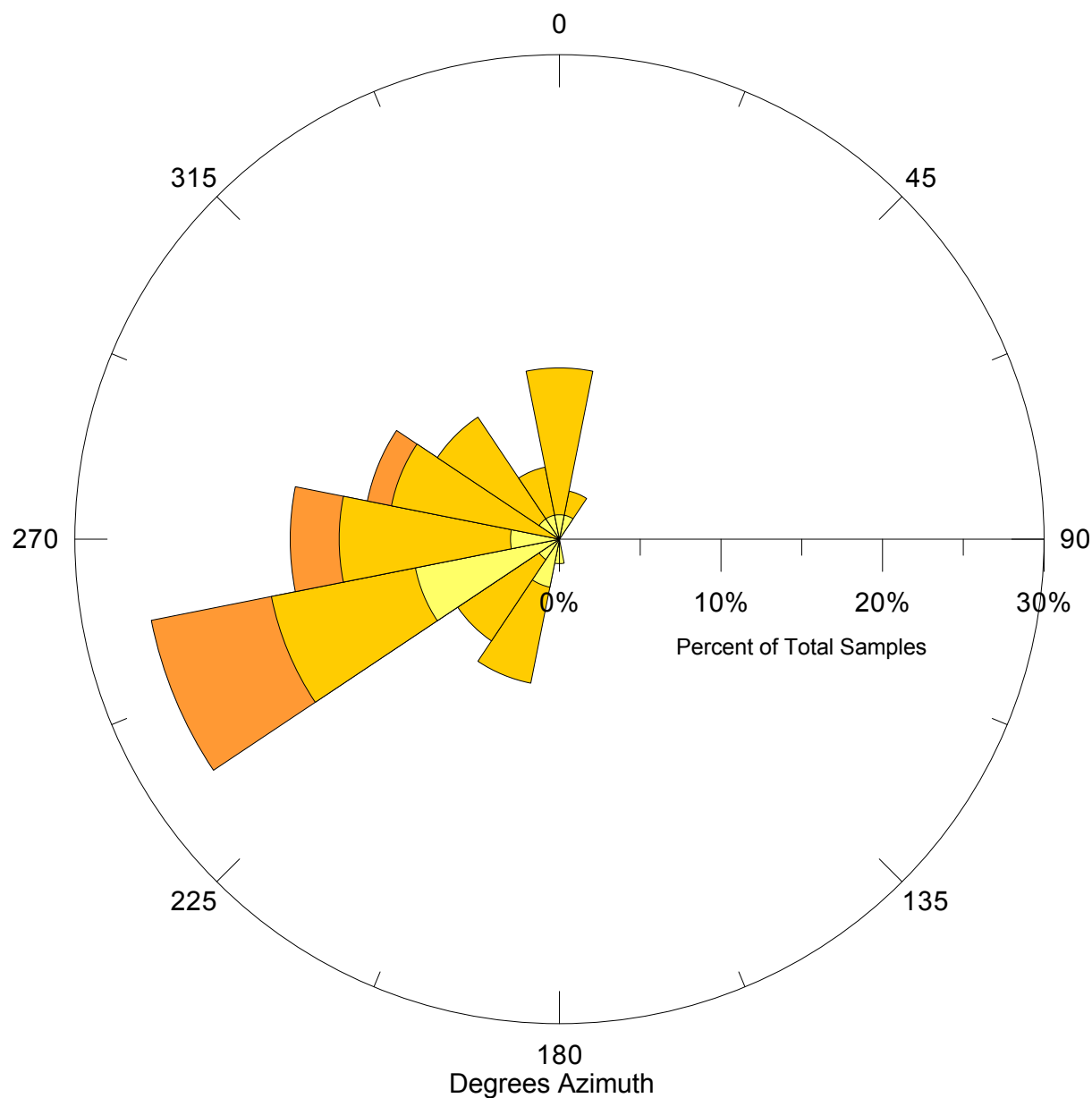


FIGURE 4
TCE Results of RID-114 Water System Sampling



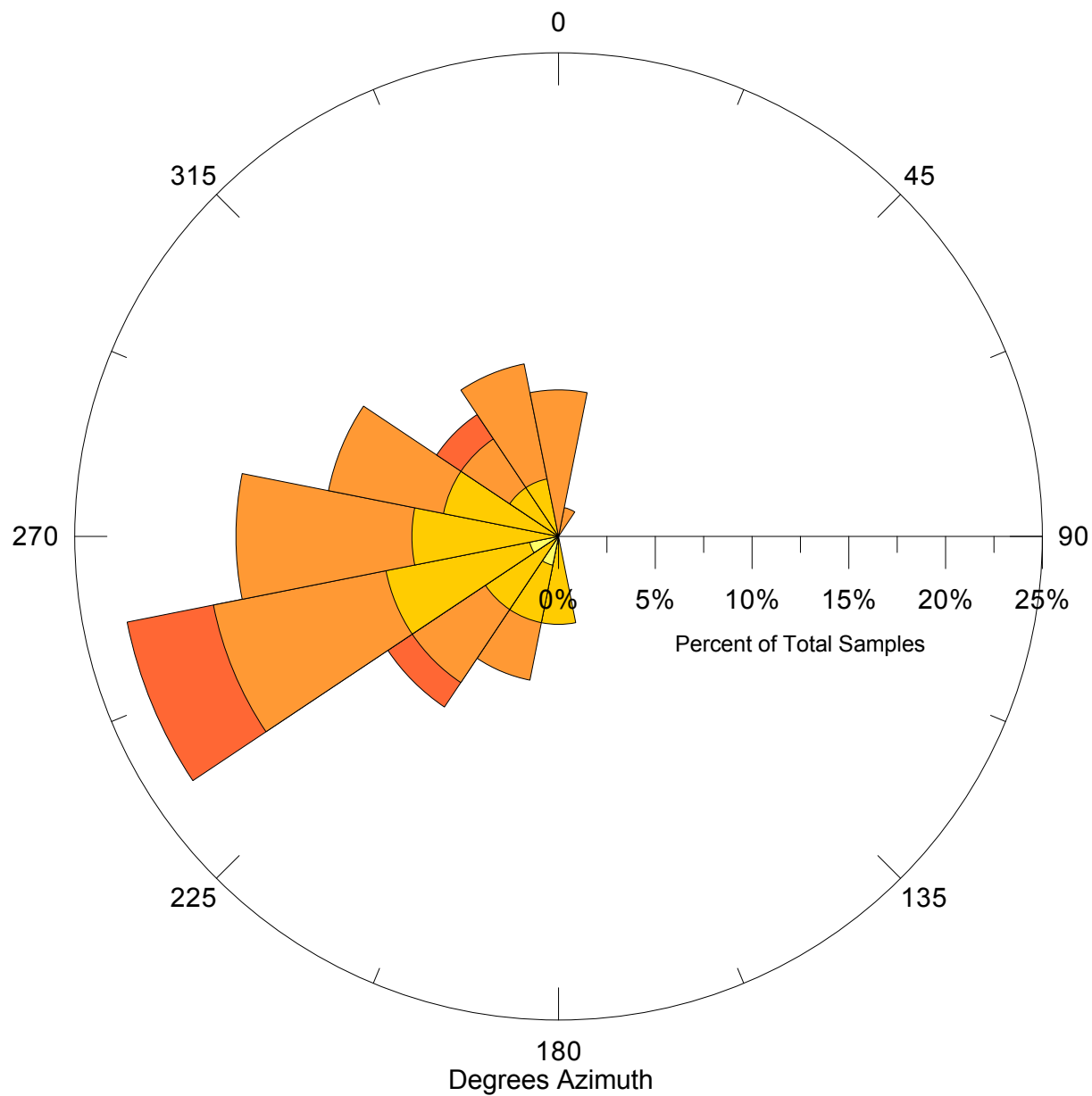
**Figure 5. Wind Rose Diagram of Average Wind Speed and Dominant Direction,
RID-92 Well Site, June 28, 2011**



Note: Wind rose depicts the wind speed and wind direction measured over one-minute intervals for the approximate 1-hour monitoring period, which started at 8:35 hours and ended at 9:40 hours.



Figure 6. Wind Rose Diagram of Maximum Wind Speed and Dominant Direction, RID-92 Well Site, June 28, 2011

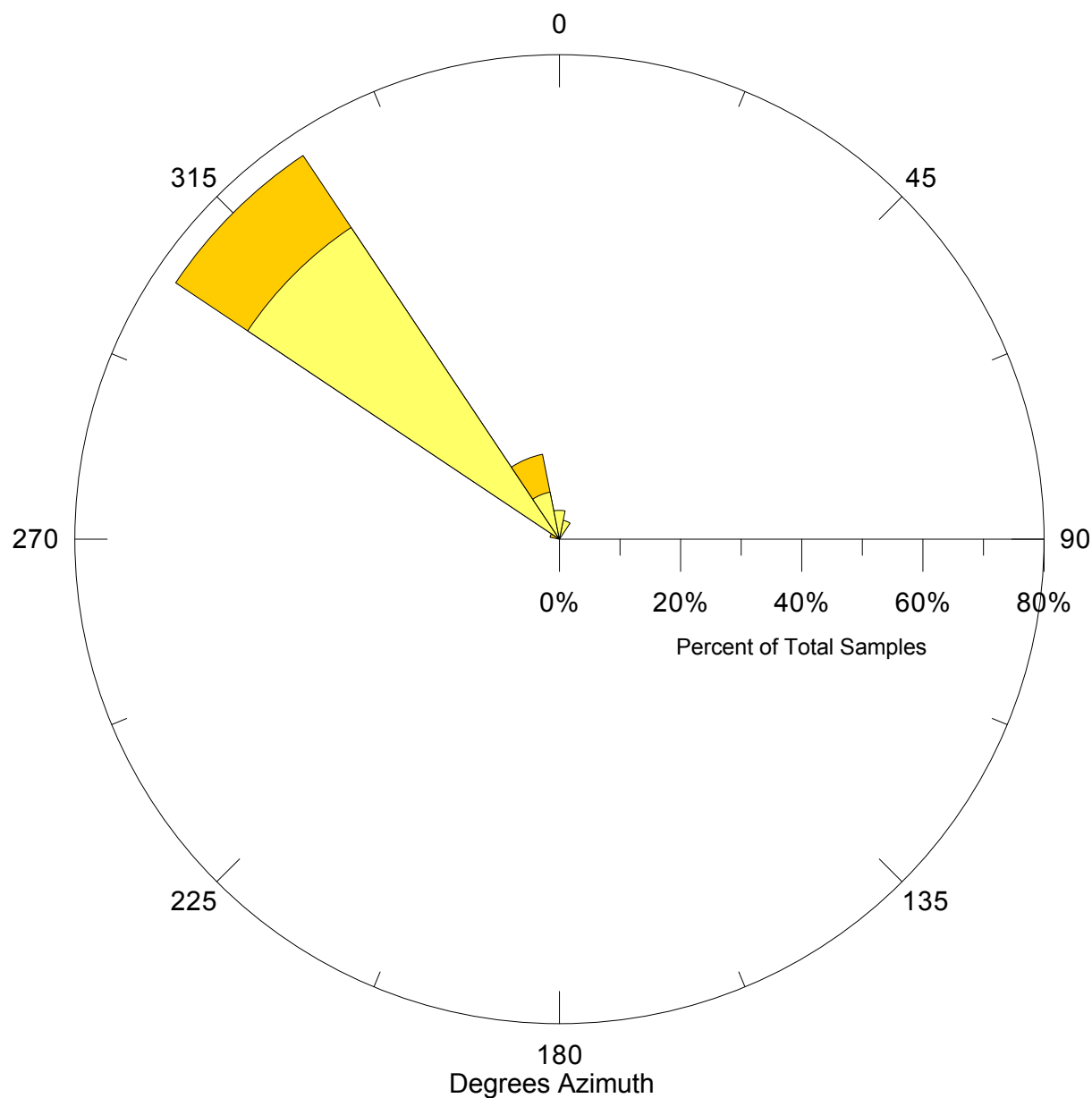


Note: Wind rose depicts the wind speed and wind direction measured over one-minute intervals for the approximate 1-hour monitoring period, which started at 8:35 hours and ended at 9:40 hours.

Maximum
Wind Speed
(miles per hour)

- ≤ 1
- $> 1 - 3$
- $> 3 - 5$
- $> 5 - 10$
- > 10

**Figure 7. Wind Rose Diagram of Average Wind Speed and Dominant Direction,
RID-114 Well Site, June 29, 2011**



Note: Wind rose depicts the wind speed and wind direction measured over one-minute intervals for the approximate 1-hour monitoring period, which started at 7:50 hours and ended at 8:55 hours.

Average
Wind Speed
(miles per hour)

≤1

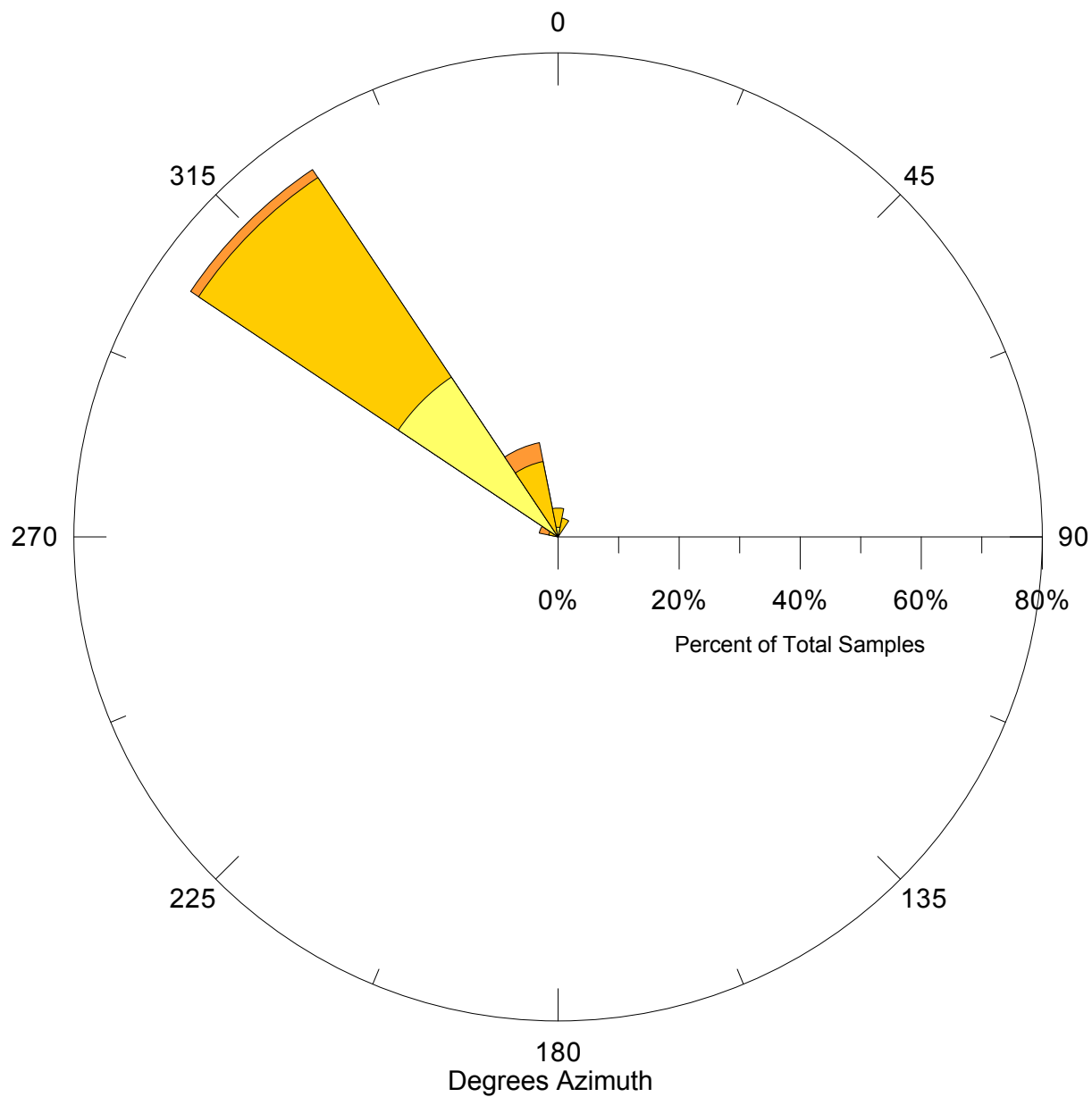
>1 - 3

>3 - 5

>5 - 10

>10

Figure 8. Wind Rose Diagram of Maximum Wind Speed and Dominant Direction, RID-114 Well Site, June 29, 2011



Note: Wind rose depicts the wind speed and wind direction measured over one-minute intervals for the approximate 1-hour monitoring period, which started at 7:50 hours and ended at 8:55 hours.

Maximum
Wind Speed
(miles per hour)

<=1

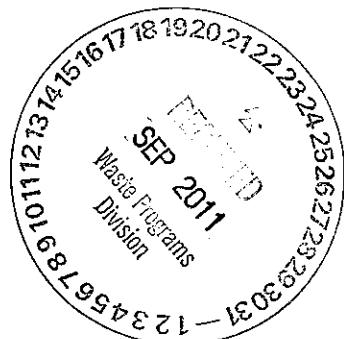
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>10

CTS-
268351



EARLY RESPONSE ACTION

PUBLIC HEALTH EXPOSURE ASSESSMENT AND **MITIGATION SUMMARY REPORT**

Volume 2: Appendices

Prepared for:

Gallagher & Kennedy, P.A.

On Behalf of the

Roosevelt Irrigation District

WEST VAN BUREN AREA
WATER QUALITY ASSURANCE REVOLVING FUND SITE

September 16, 2011



APPENDIX A

COPY OF AIRTECH ENVIRONMENTAL LABORATORIES FINAL ANALYTICAL REPORTS AND FIELD DATA SHEETS



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106113
Project Name: RID
Project Number: 802.10
Received Date: 6/28/2011

Dear Client:

Airtech Environmental Laboratories received eight (8) samples for analysis.

All analyses met laboratory QA/QC with any exceptions addressed in the Case Narrative.

If you have any questions or concerns regarding your samples analysis, please contact the laboratory at 480-968-5888

Sincerely,

Yu Min Shi

ADHS License No. AZ0740



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106113
Project Name: RID
Project Number: 802.10
Received Date: 6/28/2011

SAMPLE SUMMARY

LAB ID	CLIENT ID	METHOD	One Hour Sampling Start		One Hour Sampling End		Gauge Reading (in. Hg)	
			DATE	TIME	DATE	TIME	Start	Stop
1106113-02	A4	TO-15 SIM RID-3	6/28/2011	0836	6/28/2011	0936	28.1	10.8
1106113-03	A9	TO-15 SIM RID-3	6/28/2011	0837	6/28/2011	0937	28.3	9.5
1106113-04	A10	TO-15 SIM RID-3	6/28/2011	0838	6/28/2011	0938	28.4	9.6
1106113-05	A11	TO-15 SIM RID-3	6/28/2011	0839	6/28/2011	0939	28.3	9.6
1106113-06	A12	TO-15 SIM RID-3	6/28/2011	0840	6/28/2011	0940	28.4	9.6
1106113-09	A21	TO-15 SIM RID-3	6/28/2011	0836	6/28/2011	0936	28.3	11.4
1106113-10	A22	TO-15 SIM RID-3	6/28/2011	0835	6/28/2011	0935	28.2	11.1
1106113-11	A14	TO-15 SIM RID-3	6/28/2011	0835	6/28/2011	0935	28.5	11.5



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106113
Project Name: RID
Project Number: 802.10
Received Date: 6/28/2011

Case Narrative

All samples and QC associated with your samples met the quality control objectives.
Data qualifiers in this report are in accordance with ADEQ Data Qualifiers.



Airtech Environmental Laboratories (AEL) - AZ 0740

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: Sampling Kits QC

		Canister				Time Integrated Sampler				Grab Sampler	
AEL#	Client ID			Vacuum before sampled	Vacuum after sampled			Cal. Flow Rate before sampled	Flow Rate after sampled		
		SN#	Clean Batch#	Hg inch	psia	SN#	Clean Batch#	ml/min	ml/min	SN#	Clean Batch#
1106113-02	A4	1472	1106-04	29.2	8.67	7341804	11060-01	61.1	60.8		
1106113-03	A9	1451	1106-03	29.2	9.33	7339733	1106-01	61.9	62.8		
1106113-04	A10	1471	1106-03	29.2	9.27	7339730	1106-01	61.9	62.7		
1106113-05	A11	1453	1105-15	29.1	9.32	7331020	1106-01	61.8	62.2		
1106113-06	A12	5865	1105-15	29.1	9.28	7339830	1106-01	61.4	62.5		
1106113-09	A21	1445	1106-04	29.2	8.68	7342318	1106-01	60.5	59.6		
1106113-10	A22	1458	1105-15	29.1	9.01	7342317	1106-03	61.5	62.7		
1106113-11	A14	1462	1106-03	29.1	8.54	7339899	1106-01	61.3	59.3		

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4620 E.Elwood Street, Suite 13, Phoenix AZ 85040

Phone: 480-968-5888, Fax: 480-966-1888



Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: Sampling Kits QC

[illegible]



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: LCS/LCSD

Analyses	LCS Result		LCS %REC	LCSD Result		LCSD %REC	T.V. ppbv	%RPD	LCS	Pass/fail LCSD		RPD	Date Analyzed
	ppbv	ug/M ³		ppbv	ug/M ³								
VOLATILE ORGANICS IN AIR	TO 15 SIM								70-130%	70-130%		<25%	Analyst: JJ
1,1-Dichloroethene	0.41	1.62	82.0	0.50	1.98	100	1.98	19.8					6/29/2011
Trichloroethene	0.49	2.63	98.0	0.48	2.58	96.0	2.69	2.1					6/29/2011
Tetrachloroethene	0.53	3.59	106	0.51	3.46	102	3.39	3.8					6/29/2011
Surr: 4-Bromofluorobenzene			106			96							
			70-130%			70-130%							



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: LCS/LCSD

Analyses	LCS Result		LCS %REC	LCSD Result		LCSD %REC	T.V. ppbv	%RPD	Pass/fail		RPD	Date Analyzed
	ppbv	ug/M ³		ppbv	ug/M ³				LCS	LCSD		
VOLATILE ORGANICS IN AIR	TO 15 SIM								70-130%	70-130%	<25%	Analyst: JJ
1,1-Dichloroethene	0.54	2.14	108	0.57	2.26	114	1.98	5.4				6/30/2011
Trichloroethene	0.48	2.58	96.0	0.50	2.69	100	2.69	4.1				6/30/2011
Tetrachloroethene	0.45	3.05	90.0	0.46	3.12	92.0	3.39	2.2				6/30/2011
Surr: 4-Bromofluorobenzene			80			84						
			70-130%			70-130%						



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: Blank

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst:	JJ
1,1-Dichloroethene	< 0.04	0.04	< 0.16	0.16		1	5/30/2011	
Trichloroethene	< 0.04	0.04	< 0.21	0.21		1	5/30/2011	
Tetrachloroethene	< 0.04	0.04	< 0.27	0.27		1	5/30/2011	
Surr: 4-Bromofluorobenzene	128	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: Blank

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst:	JJ
1,1-Dichloroethene	< 0.04	0.04	< 0.16	0.16		1	6/30/2011	
Trichloroethene	< 0.04	0.04	< 0.21	0.21		1	6/30/2011	
Tetrachloroethene	< 0.04	0.04	< 0.27	0.27		1	6/30/2011	
Surr: 4-Bromofluorobenzene	88	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 02

Client Sample ID: A4
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst: JJ
1,1-Dichloroethene	0.34	0.04	1.35	0.16		1	6/29/2011
Trichloroethene	2.0	0.20	10.7	1.07		5	6/30/2011
Tetrachloroethene	0.77	0.04	5.22	0.27		1	6/29/2011
Surr: 4-Bromofluorobenzene	116	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 03

Client Sample ID: A9
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst: JJ
1,1-Dichloroethene	0.13	0.04	0.51	0.16		1	6/29/2011
Trichloroethene	1.03	0.04	5.53	0.21		1	6/29/2011
Tetrachloroethene	0.29	0.04	1.97	0.27		1	6/29/2011
Surr: 4-Bromofluorobenzene	108	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 04

Client Sample ID: A10
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst:	JJ
1,1-Dichloroethene	0.29	0.04	1.15	0.16		1	6/29/2011	
Trichloroethene	1.7	0.20	9.13	1.07		5	6/30/2011	
Tetrachloroethene	0.63	0.04	4.27	0.27		1	6/29/2011	
Surr: 4-Bromofluorobenzene	110	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 05

Client Sample ID: A11
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst: JJ
1,1-Dichloroethene	0.18	0.04	0.71	0.16		1	6/29/2011
Trichloroethene	1.45	0.04	7.79	0.21		1	6/29/2011
Tetrachloroethene	0.39	0.04	2.64	0.27		1	6/29/2011
Surr: 4-Bromofluorobenzene	108	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 06

Client Sample ID: A12
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	0.05	0.04	0.20	0.16		1	6/29/2011	
Trichloroethene	0.35	0.04	1.88	0.21		1	6/29/2011	
Tetrachloroethene	0.12	0.04	0.81	0.27		1	6/29/2011	
Surr: 4-Bromofluorobenzene	106	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 09

Client Sample ID: A21
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst:	JJ
1,1-Dichloroethene	0.24	0.04	0.95	0.16		1	6/29/2011	
Trichloroethene	2.2	0.20	11.8	1.07		5	6/30/2011	
Tetrachloroethene	0.57	0.04	3.86	0.27		1	6/29/2011	
Surr: 4-Bromofluorobenzene	86	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 10

Client Sample ID: A22
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	13	0.80	51.5	3.17		20	6/30/2011	
Trichloroethene	37	0.80	199	4.30		20	6/30/2011	
Tetrachloroethene	4.6	0.80	31.2	5.42		20	6/30/2011	
Surr: 4-Bromofluorobenzene	120	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 11

Client Sample ID: A14
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	< 0.04	0.04	< 0.16	0.16		1	6/30/2011	
Trichloroethene	< 0.04	0.04	< 0.21	0.21		1	6/30/2011	
Tetrachloroethene	< 0.04	0.04	< 0.27	0.27		1	6/30/2011	
Surr: 4-Bromofluorobenzene	104	70-130	%REC					



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1472

AEL Canister Clean Batch#: 1106-04

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1451

AEL Canister Clean Batch#: 1106-03

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1471

AEL Canister Clean Batch#: 1106-03

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1453

AEL Canister Clean Batch#: 1105-15

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 5865

AEL Canister Clean Batch#: 1105-15

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1445

AEL Canister Clean Batch#: 1106-04

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1458

AEL Canister Clean Batch#: 1105-15

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1462

AEL Canister Clean Batch#: 1106-03

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106113
Project Name: RID
Project Number: 802.10
Received Date: 6/28/2011

Dear Client:

Airtech Environmental Laboratories received three (3) samples for analysis.

All analyses met laboratory QA/QC with any exceptions addressed in the Case Narrative.

If you have any questions or concerns regarding your samples analysis, please contact the laboratory at 480-968-5888

Sincerely,

Yu Min Shi

ADHS License No. AZ0740



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106113
Project Name: RID
Project Number: 802.10
Received Date: 6/28/2011

SAMPLE SUMMARY

LAB ID	CLIENT ID	METHOD	One Hour Sampling Start		One Hour Sampling End		Gauge Reading (in. Hg)	
			DATE	TIME	DATE	TIME	Start	Stop
1106113-01	A2	TO-15 RID-3	6/28/2011	0835	6/28/2011	0935	28	8.2
1106113-07	A20	TO-15 RID-3	6/28/2011	0835	6/28/2011	0935	28.2	9.4
1106113-08	DUPLICATE C	TO-15 RID-3	6/28/2011	0835	6/28/2011	0935	28.2	10.2



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106113
Project Name: RID
Project Number: 802.10
Received Date: 6/28/2011

Case Narrative

All samples and QC associated with your samples met the quality control objectives.
Data qualifiers in this report are in accordance with ADEQ Data Qualifiers.



Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: Sampling Kits QC

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4620 E.Elwood Street, Suite 13, Phoenix AZ 85040

Phone: 480-968-5888, Fax: 480-966-1888



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: LCS/LCSD

Analyses	LCS Result		LCS %REC	LCSD Result		LCSD %REC	T.V. ppbv	%RPD	LCS	Pass/fail LCSD		RPD	Date Analyzed
	ppbv	ug/M ³		ppbv	ug/M ³								
VOLATILE ORGANICS IN AIR	TO 15								70-130%	70-130%		<25%	Analyst: JJ
1,1-Dichloroethene	9.6	38.0	96.0	7.9	31.3	79.0	39.6	19.4					7/4/2011
Trichloroethene	10.4	55.8	104	8.6	46.2	86.0	53.7	18.9					7/4/2011
Tetrachloroethene	11.3	76.6	113	9.3	63.1	93.0	67.8	19.4					7/4/2011
Surr: 4-Bromofluorobenzene			105			102							
			70-130%			70-130%							



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: Blank

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15						Analyst:	JJ
1,1-Dichloroethene	< 0.10	0.10	< 0.40	0.40		1	7/4/2011	
Trichloroethene	< 0.10	0.10	< 0.54	0.54		1	7/4/2011	
Tetrachloroethene	< 0.10	0.10	< 0.68	0.68		1	7/4/2011	
Surr: 4-Bromofluorobenzene	89	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 01

Client Sample ID: A2
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15						Analyst:	JJ
1,1-Dichloroethene	250	2.0	990	7.92		20	7/5/2011	
Trichloroethene	380	2.0	2,040	10.7		20	7/5/2011	
Tetrachloroethene	9.2	2.0	62.4	13.6		20	7/5/2011	
Surr: 4-Bromofluorobenzene	89	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 07

Client Sample ID: A20
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15						Analyst: JJ
1,1-Dichloroethene	690	10	2,730	39.6		100	7/5/2011
Trichloroethene	970	10	5,210	53.7		100	7/5/2011
Tetrachloroethene	68	10	461	67.8		100	7/5/2011
Surr: 4-Bromofluorobenzene	86	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 8, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: 08

Client Sample ID: DUPLICATE C
Project Number: 802.10
Collection: 6/28/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15		Analyst: JJ					
1,1-Dichloroethene	620	10	2,460	39.6		100	7/5/2011	
Trichloroethene	950	10	5,100	53.7		100	7/5/2011	
Tetrachloroethene	42	10	285	67.8		100	7/5/2011	
Surr: 4-Bromofluorobenzene	89	70-130	%REC					



Canister Cleaning Certificate

Canister size: 1.0L ☒ 6.0L ☐ Other: _____ Serial Number: 1825

AEL Canister Clean Batch#: 1106-02

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☒ 6.0L ☐ Other: _____ Serial Number: 1800

AEL Canister Clean Batch#: 1106-01

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☒ 6.0L ☐ Other: _____ Serial Number: 1881

AEL Canister Clean Batch#: 1106-02

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106113
Lab ID: Sampling Kits QC

[illegible]

Phone: 480-968-5888, Fax: 480-966-1888



Airtech Environmental Laboratories (AEL)

Chain of Custody

4620 E. Elwood Street, Suite 13, Phoenix, AZ 85040 480-968-5888 (phone) 480-966-1888 (fax)

Customer: <u>SYNERGY ENV. LLC</u>		Page <u>1</u> of <u>2</u>		AEL Lab #											
Address: <u>10645 N. TAVNA BLVD, #200</u>		Sampler: <u>ANDREW YUMIN</u>		Phone: <u>(602) 430-2785</u>											
City, State, Zip: <u>PHOENIX AZ 85028</u>		Project Name: <u>RID</u>		Project Number: <u>802.10</u>											
Contact: <u>ANDREW MACHUGH</u>		Project location: <u>PER TASK 1 WP</u>													
Phone: <u>(602) 430-2785</u>		P.O. Number: <u>802.10</u>													
E-Mail Address: <u>andrew.machugh@syn-env.com</u>		Fax Results: <u>Y</u> <u>(N)</u>													
Sample Receipt		Turn Around Request		Sample type											
Temperature: _____ °C		24 Hours _____ 48 Hours _____		A: ambient air											
Custody Seals: Yes _____ No _____		72 Hours _____		I: indoor air											
Custody Seals Intact: Yes _____ No _____		5 working Day _____		S: soil extraction vapor											
Total # of Containers: _____		Standard 10 Working Days _____		O: other											
Sample Information															
AEL	Serial #	Canister	Client's	Start sampled	End sampled	Gauge read, Inch Hg	Description	TO-15 full list	TO-15 BTEX only	TO-15 SIM	(Other)				
Lab	Canister	Grab/MS	(L)	Sample Identification	Date	Time	Date	Time	Start	End	Sample type				
01	1825	1331026	⑥ 1	A2	6/28/11	0835	6/28/11	0935	28	8.2	(A) I S O				X
02	1472	1341804	⑥ 1	A4	6/28/11	0835	6/28/11	0936	28.1	10.8	(A) I S O				X
03	1451	1339733	⑥ 1	A9	6/28/11	0837	6/28/11	0937	28.3	9.5	(A) I S O				X
04	1471	1339733	⑥ 1	A10	6/28/11	0838	6/28/11	0938	28.4	9.6	(A) I S O				X
05	1453	1331020	⑥ 1	A11	6/28/11	0839	6/28/11	0939	28.3	9.6	(A) I S O				X
06	5865	1339830	⑥ 1	A12	6/28/11	0840	6/28/11	0940	28.4	9.6	(A) I S O				X
07	1800	1341803	⑥ 1	A20	6/28/11	0835	6/28/11	0935	28.2	9.4	(A) I S O				X
08	1881	1342111	⑥ 1	DUPLICATE C	6/28/11	0835	6/28/11	0935	28.2	10.2	(A) I S O				X
09	1445	1342318	⑥ 1	A21	6/28/11	0836	6/28/11	0936	28.3	11.4	(A) I S O				X
10	1458	1342317	⑥ 1	A22	6/28/11	0835	6/28/11	0935	28.2	11.1	(A) I S O				X
Instructions / Special Requirements:															
Date:	Time:	Samples Requested by:				Received by:									
6/28/11	1034														

Chain of Custody QA-Form SR-Rev.02-0810



Airtech Environmental Laboratories (AEL)

Chain of Custody

4620 E.Elwood Street, Suite 13, Phoenix, AZ 85040 480-968-5888 (phone) 480-966-1888 (fax)

Customer: <u>SYNERGY ENV., LLC</u>		Page <u>2</u> of <u>2</u>		AEL Lab #											
Address: <u>10645 N. TATUM BLVD, #200-437</u>		Sampler: <u>ANDREW YUMIN</u>		Phone: <u>(602) 430-2785</u>											
City, State, Zip: <u>PHOENIX AZ 85028</u>		Project Name: <u>EID</u>		Project Number: <u>802.10</u>											
Contact: <u>ANDREW MACHUGH</u>		Project location: <u>PER TASK 1 WP</u>													
Phone: <u>(602) 430-2785</u>		P.O. Number: <u>802.10</u>													
Fax: <u>---</u>		Fax Results: <u>Y</u> <u>N</u>													
E-Mail Address: <u>andrew.machugh@spn-env.com</u>		E-Mail Results: <u>Y</u> <u>N</u>													
Sample Receipt		Turn Around Request		Sample Type											
Temperature: _____ °C		24 Hours _____ 48 Hours _____		A: ambient air											
Custody Seals: Yes _____ No _____		72 Hours _____		I: indoor air											
Custody Seals Intact: Yes _____ No _____		5 working Day _____		S: soil extraction vapor											
Total # of Containers: _____		Standard 10 Working Days _____		O: other _____											
Sample Information															
AEL	Serial #	Canister	Client's	Start sampled	End sampled	Gauge read, Inch Hg	Description	TO-15 full list	TO-15 BTEX only	TO-15 SIM	(Other)				
Lab #	Canister	Grab/TIS	(ID)	Sample Identification	Date	Time	Date	Time	Start	End	Sample type				
<u>11</u>	<u>1462</u>	<u>7339899</u>	<u>61</u>	<u>AK</u>	<u>9/28/11</u>	<u>0835</u>	<u>9/28/11</u>	<u>0935</u>	<u>28.5</u>	<u>11.5</u>	<u>A</u> <u>I</u> <u>S</u> <u>O</u>				<u>X</u>
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
			<u>61</u>								<u>A</u> <u>I</u> <u>S</u> <u>O</u>				
Instructions / Special Requirements:															
Date:	Time:	Samples Relinquished By:				Received By:									
<u>9/28/11</u>	<u>1034</u>	<u>[Signature]</u>				<u>[Signature]</u>									

Chain of Custody QA-Form SR-Rev.02-0810



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A2

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: 802.10

Sampling Site's Information

Location: RID-A2

Client's ID: HeadSpace RID-92 Receive Box

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☒ 6.0 L ☐ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other: ☐

Sampling start: Date: 6/28/2011 Time: 0835 Gauge read: 28.1 inch, Hg

Sampling End: Date: 6/28/2011 Time: 0935 Gauge read: 30.2 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID 0.125 inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather (DATA FROM WEATHER STATION WILL BE USED)

Temperature: ☐ F° ☒ C° Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

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8:50
23.0

8:55
21.2

9:05
17.0

9:15
14.5

9:25
10.9



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A4

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: 802.10

Sampling Site's Information

Location: RID-A4

Client's ID: BZ RID-92 Receive Box (M)

Address: _____

Describe the site location: _____

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐ Other: _____

Sampling start: Date: 6/28/2011

Time: 0836

Gauge read: 28.1 inch, Hg

Sampling End: Date: 6/28/2011

Time: 0936

Gauge read: 10.8 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: _____ inch ID _____ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments: _____

Weather

(DATA FROM WEATHER STATION WILL BE USED.)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments: _____

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

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8:50
24.1

8:56
22.4

9:06
19.5

9:16
19.5

9:26
13.1



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A9

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: 802.10

Sampling Site's Information

Location: RID-A9

Client's ID: BZ RID-92 Fence Line

Address: _____

Describe the site location: _____

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other: _____

Sampling start: Date: 6/28/2011 Time: 0837 Gauge read: 28.3 inch, Hg

Sampling End: Date: 6/28/2011 Time: 0937 Gauge read: 9.5 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: _____ inch ID _____ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments: _____

Weather

Temperature: _____ F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments: _____

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

8:50 24.1
8:57 22.0

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9:07 18.7
9:17 15.5
9:27 12.2

43" FROM OUTSIDE WALL OF RECEIVER BOX
65" ABOVE GROUND TO INLET



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A10

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: 802.10

Sampling Site's Information

Location: RID-A10

Client's ID: BZ RID-92 Fence Line (EAST)

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐

Other: ☐

Sampling start: Date: 6/28/2011 Time: 0838 Gauge read: 28.4 inch, Hg

Sampling End: Date: 6/28/2011 Time: 0938 Gauge read: 9.6 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below.

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID ☐ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

43" FROM OUTSIDE WALL OF RECEIVER BOX
65" ABOVE GROUND TO INLET.

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8:50 24.2

8:58

9:08

9:18

9:28

21.7

18.5

15.2

12.1



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A11

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: 402.10

Sampling Site's Information

Location: RID-A11

Client's ID: BZ RID-92 Fence Line

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other: ☐

Sampling start: Date: 6/28/2011 Time: 0839 Gauge read: 28.3 inch, Hg

Sampling End: Date: 6/28/2011 Time: 0939 Gauge read: 9.6 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID ☐ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate

Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

43" FROM OUTSIDE WALL OF RECEIVER BOX
65" ABOVEGROUND TO INLET.

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8:50 24.5
8:59 22.2
9:09 19.2
9:19 15.8
9:29 12.8



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A12

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: 802.10

Sampling Site's Information

Location: RID-A12

Client's ID: BZ RID-92 Fence Line (West)

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐ Other: ☐

Sampling start: Date: 6/28/2011 Time: 0840 Gauge read: 28.4 inch, Hg

Sampling End: Date: 6/28/2011 Time: 0940 Gauge read: 9.6 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID: ☐ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: ☐ F° ☒ C° Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate

Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

4' FROM OUTSIDE WALL OF RECEIVER BOX
65" ABOVEGROUND TO INLET.

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8:51 24.8

9:00 22.2
9:10 19.0
9:20 15.8
9:30 12.8



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A20

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager:

Project Number:

Sampling Site's Information

Location: RID-A20

Client's ID: HeadSpace in RID-92 lateral @

Address:

Opening (A20)

Describe the site location:

Sampling Train

Canister: 1.0 L ☒

6.0 L ☐

Silanized:

Y ☒

N ☐

Grab Sampler:

One min ☐

Two min ☐

Five min ☐

Other:

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒

Sampling duration:

One hour ☒

4 hour ☐

8 hour ☐

12 hour ☐

24 hour ☐

Other:

Sampling start: Date: 6/28/2011

Time: 0835

Gauge read: 28.2 inch, Hg

Sampling End: Date: 6/28/2011

Time: 0935

Gauge read: 9.4 inch, Hg

Any tubing used on the sampling train?

No ☐

Yes ☒

If yes, fill the information below:

Tubing type: Tygon ☒

Teflon ☐

Vinyl ☐

PVC ☐

Other:

Tubing used from the sampling point to canister:

Length:

inch

ID inch

Are all parts of Sampling Train tested in the lab before sampling?

Y ☒

N ☐

Comments:

Weather

(DATA FROM WEATHER STATION WILL BE USED)

Temperature:

F° ☒

C° ☐

Sunshine ☐

Cloudy ☐

Rain ☐

Wind: Mild ☐

Middle ☐

Strong ☐

At the sampling point:

Upwind ☐

Downwind ☐

Comments:

Field Duplicate

Y ☒

N ☐

If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

(SEE FORM FOR DUPLICATED)

* THIS FORM IS COMPLETED FOR PRIMARY SAMPLE.

Sampling site Inspection Note:

2" FROM WATER SURFACE TO INLET.

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: Dup

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager:

Project Number:

Sampling Site's Information

Location: RID-A20 RID-Dup 6-28-2011

Client's ID:

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☒

6.0 L ☐

Silanized: Y ☒

N ☐

Grab Sampler:

One min ☐

Two min ☐

Five min ☐

Other:

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒

Sampling duration:

One hour ☒

4 hour ☐

8 hour ☐

12 hour ☐

24 hour ☐

Other:

Sampling start: Date: 6/28/2011

Time: 0835

Gauge read: 28.2 inch Hg

Sampling End: Date: 6/28/2011

Time: 0935

Gauge read: 10.2 inch Hg

Any tubing used on the sampling train?

No ☐

Yes ☒

If yes, fill the information below:

Tubing type:

Tygon ☒

Teflon ☐

Vinyl ☐

PVC ☐

Other:

Tubing used from the sampling point to canister:

Length:

inch

ID

inch

Are all parts of Sampling Train tested in the lab before sampling?

Y ☒

N ☐

Comments:

Weather

(DATA FROM WEATHER STATION WILL BE USED)

Temperature:

F° ☒

C° ☐

Sunshine ☐

Cloudy ☐

Rain ☐

Wind:

Mild ☐

Middle ☐

Strong ☐

At the sampling point:

Upwind ☐

Downwind ☐

Comments:

Field Duplicate

Y ☒

N ☐

If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

2" FROM WATER SURFACE TO INLET.

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A21

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager:

Project Number:

Sampling Site's Information

Location: RID-A21

Client's ID: Surface of RID-92 Lateral @

Address:

Open Section (A21)

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: 15 min

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐

Other:

Sampling start: Date: 6/28/2011

Time: 0836

Gauge read: 28.3 inch, Hg

Sampling End: Date: 6/28/2011

Time: 0936

Gauge read: 11.4 inch, Hg

Any tubing used on the sampling train?

No ☒

Yes ☐

If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other:

Tubing used from the sampling point to canister: Length: inch ID inch

Are all parts of Sampling Train tested in the lab before sampling?

Y ☒

N ☐

Comments:

Weather

(DATA FROM WEATHER STATION WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate

Y ☐

N ☒

If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

17" FROM WATER SURFACE TO INLET.

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A22

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager:

JOEL PETERSON

Project Number:

802.10

Sampling Site's Information

Location: RID-A22

Client's ID: Surface of Main Canal @

Address:

RID-92 Discharge (A-22)

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐ 24 hour ☐ Other: _____

Sampling start: Date: 6/28/2011

Time: 0835

Gauge read: 28.2 inch, Hg

Sampling End: Date: 6/28/2011

Time: 0935

Gauge read: 11.1 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: _____ inch ID _____ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

(DATA FROM WEATHER STATION WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate

Y ☐ N ☐ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

~ 10' FROM DISCHARGE ALIGNMENT
(DOWNSTREAM)

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A14

Sampling Co.

Date: 6/28/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager:

Project Number:

Sampling Site's Information

Location: RID-A14

Client's ID: RID-Background 6-28-11

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐ 24 hour ☐ Other: ☐

Sampling start: Date: 6/28/2011 Time: 0835 Gauge read: 28.5 inch, Hg

Sampling End: Date: 6/28/2011 Time: 0935 Gauge read: 11.5 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID ☐ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☐ N ☐

Comments:

Weather (WEATHER STATION DATA WILL BE USED)

Temperature: ☐ F° ☒ C° Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

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Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106114
Project Name: RID
Project Number: 802.10
Received Date: 6/29/2011

Dear Client:

Airtech Environmental Laboratories received nine (9) samples for analysis.

All analyses met laboratory QA/QC with any exceptions addressed in the Case Narrative.

If you have any questions or concerns regarding your samples analysis, please contact the laboratory at 480-968-5888

Sincerely,

Yu Min Shi

ADHS License No. AZ0740



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106114
Project Name: RID
Project Number: 802.10
Received Date: 6/29/2011

SAMPLE SUMMARY

LAB ID	CLIENT ID	METHOD	One Hour Sampling Start		One Hour Sampling End		Gauge Reading (in. Hg)	
			DATE	TIME	DATE	TIME	Start	Stop
1106114-02	A3	TO-15 SIM RID-3	6/29/2011	0752	6/29/2011	0852	28.1	10.8
1106114-03	A5	TO-15 SIM RID-3	6/29/2011	0751	6/29/2011	0851	28.0	10.8
1106114-04	A6	TO-15 SIM RID-3	6/29/2011	0753	6/29/2011	0853	28.7	10.5
1106114-05	A7	TO-15 SIM RID-3	6/29/2011	0755	6/29/2011	0855	28.0	9.8
1106114-06	A8	TO-15 SIM RID-3	6/29/2011	0754	6/29/2011	0854	28.0	9.3
1106114-08	A16	TO-15 SIM RID-3	6/29/2011	0750	6/29/2011	0850	28.2	9.3
1106114-09	A13	TO-15 SIM RID-3	6/29/2011	0750	6/29/2011	0850	28.2	9.2
1106114-13	A19	TO-15 SIM RID-3	6/29/2011	1035	6/29/2011	1135	28.5	10.0
1106114-14	A23	TO-15 SIM RID-3	6/29/2011	1035	6/29/2011	1135	28.2	9.8



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106114
Project Name: RID
Project Number: 802.10
Received Date: 6/29/2011

Case Narrative

All samples and QC associated with your samples met the quality control objectives.
Data qualifiers in this report are in accordance with ADEQ Data Qualifiers.



Airtech Environmental Laboratories (AEL) - AZ 0740

Client: SYNERGY Environmental, LLC

Project: RID

Lab Order: 1106114

Lab ID: Sampling Kits QC

		Canister				Time Integrated Sampler				Grab Sampler	
AEL#	Client ID			Vacuum before sampled	Vacuum after sampled			Cal. Flow Rate before sampled	Flow Rate after sampled	SN#	Clean Batch#
		SN#	Clean Batch#	Hg inch	psia	SN#	Clean Batch#	ml/min	ml/min		
1106114-02	A3	1444	1105-15	29.0	8.96	7342317	1106-03	62.7	62.7		
1106114-03	A5	1466	1106-03	29.2	8.96	7342162	1106-01	61.2	62.1		
1106114-04	A6	1460	1106-07	29.1	8.94	7339899	1106-03	62.4	64.2		
1106114-05	A7	1468	1106-03	29.2	8.92	7342163	1106-01	60.4	60.8		
1106114-06	A8	1448	1106-04	29.2	9.30	7342144	1105-03	61.7	63.8		
1106114-08	A16	1447	1106-07	29.1	9.48	7339730	1106-03	62.7	63.5		
1106114-09	A13	1459	1105-15	29.0	9.58	7339733	1106-03	62.9	63.9		
1106114-13	A19	1463	1106-07	29.1	8.92	7339830	1106-03	62.5	63.9		
1106114-14	A23	1446	1106-04	29.2	9.14	7331020	1106-03	62.2	63.7		

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Airtech Environmental Laboratories (AEL) - AZ 0740

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: Sampling Kits QC

AEL ID#	STD Name	Vedor	SGI Order#	Description	CONC.	Accuracy	Exp.Date
S-100927-01	Stock	Spectra Gases	272227	TO-14 39 Analytes	1.0 ppmv	± 5%	9/21/2011
S-100927-02	Stock	Spectra Gases	272227	TO-15 25 Analytes	1.0 ppmv	± 5%	9/21/2011
S-101104-01	Stock	Spectra Gases	137340	TO-15 IS 4 Compounds	1.0 ppmv	± 5%	11/4/2011
A-110623-02	Working Std	AEL Dilution		TO-15 SIM Analytes	0.5 ppbv	± 5%	9/23/2011
A-110617-01	Working IS	AEL Dilution		TO-15 IS 4 Compounds	50 ppbv	± 5%	9/17/2011
A-110623-01	Working IS	AEL Dilution		TO-15 SIM IS 4 Compounds	2.5 ppbv	± 5%	9/23/2011
A-110630-02	Working IS	AEL Dilution		TO-15 IS 4 Compounds	50 ppbv	± 5%	9/29/2011
A-110630-01	Working IS	AEL Dilution		TO-15 SIM IS 4 Compounds	2.5 ppbv	± 5%	9/29/2011

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Phone: 480-968-5888, Fax: 480-966-1888



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: LCS/LCSD

Analyses	LCS Result		LCS %REC	LCSD Result		LCSD %REC	T.V. ppbv	%RPD	LCS	Pass/fail LCSD		RPD	Date Analyzed
	ppbv	ug/M ³		ppbv	ug/M ³								
VOLATILE ORGANICS IN AIR	TO 15 SIM								70-130%	70-130%		<25%	Analyst: JJ
1,1-Dichloroethene	0.41	1.62	82.0	0.50	1.98	100	1.98	19.8					6/29/2011
Trichloroethene	0.49	2.63	98.0	0.48	2.58	96.0	2.69	2.1					6/29/2011
Tetrachloroethene	0.53	3.59	106	0.51	3.46	102	3.39	3.8					6/29/2011
Surr: 4-Bromofluorobenzene			106			96							
			70-130%			70-130%							



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: LCS/LCSD

Analyses	LCS Result		LCS %REC	LCSD Result		LCSD %REC	T.V. ppbv	%RPD	LCS	Pass/fail LCSD		RPD	Date Analyzed
	ppbv	ug/M ³		ppbv	ug/M ³								
VOLATILE ORGANICS IN AIR	TO 15 SIM								70-130%	70-130%		<25%	Analyst: JJ
1,1-Dichloroethene	0.54	2.14	108	0.57	2.26	114	1.98	5.4					6/30/2011
Trichloroethene	0.48	2.58	96.0	0.50	2.69	100	2.69	4.1					6/30/2011
Tetrachloroethene	0.45	3.05	90.0	0.46	3.12	92.0	3.39	2.2					6/30/2011
Surr: 4-Bromofluorobenzene			80			84							
			70-130%			70-130%							



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: Blank

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	< 0.04	0.04	< 0.16	0.16		1	6/29/2011	
Trichloroethene	< 0.04	0.04	< 0.21	0.21		1	6/29/2011	
Tetrachloroethene	< 0.04	0.04	< 0.27	0.27		1	6/29/2011	
Surr: 4-Bromofluorobenzene	128	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: Blank

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst:	JJ
1,1-Dichloroethene	< 0.04	0.04	< 0.16	0.16		1	6/30/2011	
Trichloroethene	< 0.04	0.04	< 0.21	0.21		1	6/30/2011	
Tetrachloroethene	< 0.04	0.04	< 0.27	0.27		1	6/30/2011	
Surr: 4-Bromofluorobenzene	88	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 02

Client Sample ID: A3
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst: JJ
1,1-Dichloroethene	0.22	0.04	0.87	0.16		1	6/29/2011
Trichloroethene	1.4	0.04	7.52	0.21		1	6/29/2011
Tetrachloroethene	0.14	0.04	0.95	0.27		1	6/29/2011
Surr: 4-Bromofluorobenzene	90	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 03

Client Sample ID: A5
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed		
	Result	Limit	Result	Limit					
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst:	JJ
1,1-Dichloroethene	0.17	0.04	0.67	0.16		1	6/29/2011		
Trichloroethene	1.2	0.04	6.44	0.21		1	6/29/2011		
Tetrachloroethene	0.13	0.04	0.88	0.27		1	6/29/2011		
Surr: 4-Bromofluorobenzene	92	70-130	%REC						



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 04

Client Sample ID: A6
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst: JJ
1,1-Dichloroethene	0.17	0.04	0.67	0.16		1	6/29/2011
Trichloroethene	1.2	0.04	6.44	0.21		1	6/29/2011
Tetrachloroethene	0.14	0.04	0.95	0.27		1	6/29/2011
Surr: 4-Bromofluorobenzene	80	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 05

Client Sample ID: A7
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	0.30	0.08	1.19	0.32		2	6/30/2011	
Trichloroethene	1.9	0.08	10.2	0.43		2	6/30/2011	
Tetrachloroethene	0.16	0.08	1.08	0.54		2	6/30/2011	
Surr: 4-Bromofluorobenzene	78	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 06

Client Sample ID: A8
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst:	JJ
1,1-Dichloroethene	0.27	0.04	1.07	0.16		1	6/30/2011	
Trichloroethene	2.0	0.04	10.7	0.21		1	6/30/2011	
Tetrachloroethene	0.18	0.04	1.22	0.27		1	6/30/2011	
Surr: 4-Bromofluorobenzene	98	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 08

Client Sample ID: A16
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	0.99	0.04	3.92	0.16		1	6/30/2011	
Trichloroethene	5.4	0.40	29.0	2.15		10	6/30/2011	
Tetrachloroethene	0.60	0.04	4.07	0.27		1	6/30/2011	
Surr: 4-Bromofluorobenzene	102	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 09

Client Sample ID: A13
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15 SIM						Analyst: JJ
1,1-Dichloroethene	< 0.04	0.04	< 0.16	0.16		1	6/30/2011
Trichloroethene	< 0.04	0.04	< 0.21	0.21		1	6/30/2011
Tetrachloroethene	< 0.04	0.04	< 0.27	0.27		1	6/30/2011
Surr: 4-Bromofluorobenzene	100	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 13

Client Sample ID: A19
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	0.55	0.20	2.18	0.79		5	6/30/2011	
Trichloroethene	3.3	0.20	17.7	1.07		5	6/30/2011	
Tetrachloroethene	0.75	0.20	5.09	1.36		5	6/30/2011	
Surr: 4-Bromofluorobenzene	116	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 11, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 14

Client Sample ID: A23
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15 SIM							Analyst: JJ
1,1-Dichloroethene	0.20	0.20	0.79	0.79		5	6/30/2011	
Trichloroethene	1.2	0.20	6.44	1.07		5	6/30/2011	
Tetrachloroethene	0.25	0.20	1.70	1.36		5	6/30/2011	
Surr: 4-Bromofluorobenzene	110	70-130	%REC					



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1444

AEL Canister Clean Batch#: 1105-15

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1466

AEL Canister Clean Batch#: 1106-03

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1460

AEL Canister Clean Batch#: 1106-07

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1468

AEL Canister Clean Batch#: 1106-03

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1448

AEL Canister Clean Batch#: 1106-04

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1447

AEL Canister Clean Batch#: 1106-07

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1459

AEL Canister Clean Batch#: 1105-15

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1463

AEL Canister Clean Batch#: 1106-07

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1446

AEL Canister Clean Batch#: 1106-04

Comments: _____

Analytical Method: TO15 SIM

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.04	<	0.16
Trichloroethene	<	0.04	<	0.21
Tetrachloroethene	<	0.04	<	0.27

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106114
Project Name: RID
Project Number: 802.10
Received Date: 6/29/2011

Dear Client:

Airtech Environmental Laboratories received five (5) samples for analysis.

All analyses met laboratory QA/QC with any exceptions addressed in the Case Narrative.

If you have any questions or concerns regarding your samples analysis, please contact the laboratory at 480-968-5888

Sincerely,

Yu Min Shi

ADHS License No. AZ0740



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106114
Project Name: RID
Project Number: 802.10
Received Date: 6/29/2011

SAMPLE SUMMARY

LAB ID	CLIENT ID	METHOD	One Hour Sampling Start		One Hour Sampling End		Gauge Reading (in. Hg)	
			DATE	TIME	DATE	TIME	Start	Stop
1106114-01	A1	TO-15 RID-3	6/29/2011	0750	6/29/2011	0850	28.3	8.4
1106114-07	A15	TO-15 RID-3	6/29/2011	0751	6/29/2011	0851	27.0	7.9
1106114-10	A17	TO-15 RID-3	6/29/2011	0750	6/29/2011	0850	28.0	8.7
1106114-11	A18	TO-15 RID-3	6/29/2011	1036	6/29/2011	1136	28.2	8.5
1106114-12	Duplicate D	TO-15 RID-3	6/29/2011	1036	6/29/2011	1136	28.5	8.8



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: Andrew J. MacHugh
Company: SYNERGY Environmental, LLC
Address: 10645 N. Tatum Blvd.
Suite 200-437
Phoenix, AZ 85028

Work Order #: 1106114
Project Name: RID
Project Number: 802.10
Received Date: 6/29/2011

Case Narrative

All samples and QC associated with your samples met the quality control objectives.
Data qualifiers in this report are in accordance with ADEQ Data Qualifiers.



Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: Sampling Kits QC

[illegible]

DOC.08.00

4620 E.Elwood Street, Suite 13, Phoenix AZ 85040

Phone: 480-968-5888, Fax: 480-966-1888



Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: Sampling Kits QC

[illegible]



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: LCS/LCSD

Analyses	LCS Result		LCS %REC	LCSD Result		LCSD %REC	T.V. ppbv	%RPD	LCS	Pass/fail LCSD		RPD	Date Analyzed
	ppbv	ug/M ³		ppbv	ug/M ³								
VOLATILE ORGANICS IN AIR	TO 15								70-130%	70-130%		<25%	Analyst: JJ
1,1-Dichloroethene	9.6	38.0	96.0	7.9	31.3	79.0	39.6	19.4					7/4/2011
Trichloroethene	10.4	55.8	104	8.6	46.2	86.0	53.7	18.9					7/4/2011
Tetrachloroethene	11.3	76.6	113	9.3	63.1	93.0	67.8	19.4					7/4/2011
Surr: 4-Bromofluorobenzene			105			102							
			70-130%			70-130%							



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: Blank

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15						Analyst: JJ
1,1-Dichloroethene	< 0.10	0.10	< 0.40	0.40		1	7/4/2011
Trichloroethene	< 0.10	0.10	< 0.54	0.54		1	7/4/2011
Tetrachloroethene	< 0.10	0.10	< 0.68	0.68		1	7/4/2011
Surr: 4-Bromofluorobenzene	89	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 01

Client Sample ID: A1
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15						Analyst:	JJ
1,1-Dichloroethene	350	2.0	1,390	7.92		20	7/5/2011	
Trichloroethene	760	2.0	4,080	10.7		20	7/5/2011	
Tetrachloroethene	17	2.0	115	13.6		20	7/5/2011	
Surr: 4-Bromofluorobenzene	84	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 07

Client Sample ID: A15
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15						Analyst:	JJ
1,1-Dichloroethene	410	2.0	1,620	7.92		20	7/5/2011	
Trichloroethene	580	2.0	3,110	10.7		20	7/5/2011	
Tetrachloroethene	5.2	2.0	35.3	13.6		20	7/5/2011	
Surr: 4-Bromofluorobenzene	83	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 10

Client Sample ID: A17
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15						Analyst:	JJ
1,1-Dichloroethene	650	20	2,570	79.2		200	7/5/2011	
Trichloroethene	3,300	20	17,700	107		200	7/5/2011	
Tetrachloroethene	150	20	1,020	136		200	7/5/2011	
Surr: 4-Bromofluorobenzene	90	70-130	%REC					



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 11

Client Sample ID: A18
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed
	Result	Limit	Result	Limit			
VOLATILE ORGANICS IN AIR	TO-15						Analyst: JJ
1,1-Dichloroethene	1.3	0.10	5.15	0.40		1	7/5/2011
Trichloroethene	4.7	0.10	25.2	0.54		1	7/5/2011
Tetrachloroethene	0.72	0.10	4.88	0.68		1	7/5/2011
Surr: 4-Bromofluorobenzene	83	70-130	%REC				



Airtech Environmental Laboratories (AEL) - AZ 0740

Date: July 12, 2011

Client: SYNERGY Environmental, LLC
Project: RID
Lab Order: 1106114
Lab ID: 12

Client Sample ID: Duplicate D
Project Number: 802.10
Collection: 6/29/2011
Matrix: Ambient Air

Analyses	ppbv		ug/M ³		Qual	DF	Date Analyzed	
	Result	Limit	Result	Limit				
VOLATILE ORGANICS IN AIR	TO-15							Analyst: JJ
1,1-Dichloroethene	1.5	0.10	5.94	0.40		1	7/5/2011	
Trichloroethene	5.0	0.10	26.9	0.54		1	7/5/2011	
Tetrachloroethene	1.1	0.10	7.46	0.68		1	7/5/2011	
Surr: 4-Bromofluorobenzene	83	70-130	%REC					



Canister Cleaning Certificate

Canister size: 1.0L ☒ 6.0L ☐ Other: _____ Serial Number: 1867

AEL Canister Clean Batch#: 1106-01

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☒ 6.0L ☐ Other: _____ Serial Number: 1876

AEL Canister Clean Batch#: 1106-01

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☐ 6.0L ☒ Other: _____ Serial Number: 1465

AEL Canister Clean Batch#: 1106-03

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☒ 6.0L ☐ Other: _____ Serial Number: 1886

AEL Canister Clean Batch#: 1106-01

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Canister Cleaning Certificate

Canister size: 1.0L ☒ 6.0L ☐ Other: _____ Serial Number: 1812

AEL Canister Clean Batch#: 1106-01

Comments: _____

Analytical Method: TO15

Comments: _____

This canister has been cleaned and has been individually analyzed to certify the analytes in the box are below the Report Limits.

Analyte	Report Limits			
		ppbv		ug/M ³
1,1-Dichloroethene	<	0.10	<	0.40
Trichloroethene	<	0.10	<	0.54
Tetrachloroethene	<	0.10	<	0.68

Comments: _____

Chemist: Yu Min Shi

Date: 6/27/2011



Airtech Environmental Laboratories (AEL)

Chain of Custody

4620 E. Elwood Street, Suite 13, Phoenix, AZ 85040 480-968-5888 (phone) 480-966-1888 (fax)

Customer: <u>SYNERGY ENV. LLC</u>		Page <u>1</u> of <u>2</u>		AEL Lab #							
Address: <u>10645 N TATUM BLVD #200-437</u>		Sampler: <u>ANDREW YU MIN</u>		Phone: <u>(602) 430-2785</u>							
City, State, Zip: <u>PHOENIX, AZ 85028</u>		Project Name: <u>PID</u>		Project Number: <u>#802.10</u>							
Contact: <u>ANDREW MACHUGH</u>		Project location: <u>PER TASK 1 WP</u>									
Phone: <u>(602) 430-2785</u>		P.O. Number: <u>#802.10</u>									
Fax: _____		Fax Results: <u>Y</u> <u>N</u>									
E-Mail Address: <u>andrew.machugh@syn-env.com</u>		E-Mail Results: <u>Y</u> <u>N</u>									
Sample Receipt: _____		Turn Around Request: _____		Sample Type: _____							
Temperature: _____ °C		24 Hours _____ 48 Hours _____		Analysis: _____							
Custody Seals: Yes _____ No _____		72 Hours _____		TO-15 full list							
Custody Seals (In fact): Yes _____ No _____		5 working Day _____		TO-15 BTEX only							
Total # of Containers: _____		Standard 10 Working Days _____		TO-15 SIM							
				(Other) <u>PID</u>							
Sample Information											
AEL	Serial #	Canister	Client's	Start sampled	End sampled	Gauge read, inch Hg	Description				
Lab #	Canister	Grab/ALS	(L)	Sample Identification	Date	Time	Date	Time	Start	End	Sample type
01	1867	134211	6 ①	A1	6/29/11	0750	6/29/11	0850	28.3	8.4	(A) I S O
02	1444	1342317	6 ①	A3	6/29/11	0752	6/29/11	0852	28.1	10.8	(A) I S O
03	1466	1342162	6 ①	A5	6/29/11	0751	6/29/11	0851	28.0	10.8	(A) I S O
04	1460	1339899	6 ①	A6	6/29/11	0753	6/29/11	0853	28.7	10.5	(A) I S O
05	1468	1342163	6 ①	A7	6/29/11	0755	6/29/11	0855	28.0	9.8	(A) I S O
06	1448	1342144	6 ①	A8	6/29/11	0754	6/29/11	0854	28.0	9.3	(A) I S O
07	1876	1342107	6 ①	A15	6/29/11	0751	6/29/11	0851	27.0	7.9	(A) I S O
08	1447	1339730	6 ①	A15 A16	6/29/11	0750	6/29/11	0850	28.2	9.3	(A) I S O
09	1459	1339733	6 ①	A15 A13	6/29/11	0750	6/29/11	0850	28.2	9.2	(A) I S O
10	1465	1341807	6 ①	A17	6/29/11	0750	6/29/11	0850	28.0	8.7	(A) I S O
Instructions / Special Requirements: _____											
Date	Time	Signature (Relinquished By)				Signature (Received By)					
6/29/11	11:55										

Chain of Custody QA-Form SR-Rev.02-0810



Airtech Environmental Laboratories (AEL)

Chain of Custody

4620 E.Elwood Street, Suite 13, Phoenix, AZ 85040 480-968-5888 (phone) 480-966-1888 (fax)

Customer: SYNERGY ENV, LLC		Page 2 of 2		AEL Lab #	
Address: 10645 N. TAVUM BLVD. #200-437		Sampler: ANDREW YUMIN		Phone: (602) 430-2785	
City, State, Zip: PHOENIX AZ 85028		Project Name: RID		Project Number: #802.10	
Contact: ANDREW MACHUGH		Project location: PER TASK 1 WP			
Phone: (602) 430-2785		P.O. Number: #802.10			
Fax: ---		Fax Results: (Y) (N)			
E-Mail Address: andrew.machugh@syn-env.com		E-Mail Results: (Y) (N)			
Temperature: _____ °C		Sample type: A		Analysis: 3	
Custody Seals: Yes _____ No _____		A: ambient air		TO-15 full list	
Custody Seals Intact: Yes _____ No _____		I: indoor air		TO-15 BTEX only	
Total # of Containers: _____		S: soil extraction vapor		TO-15 SIM	
		O: other		(Other) RID	
Sample Information					
AEL	Serial #	Canister	Client's	Start sampled	End sampled
11	1886	7341806	A18	6/29/11 1036	6/29/11 1136
12	1812	7341806	DUPLICATED	6/29/11 1036	6/29/11 1136
13	1463	7339830	A19	6/29/11 1035	6/29/11 1135
14	1446	7331020	A23	6/29/11 1035	6/29/11 1135
		6 1			
		6 1			
		6 1			
		6 1			
		6 1			
		6 1			
Instructions / Special Requirements:					
Date	Time	Samples Relinquished By:		Received By:	
6/29/11	11:55				

Chain of Custody QA-Form SR-Rev.02-0810

1867/7342111



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A1

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #302.10

Sampling Site's Information

Location: RID-A1

Client's ID: HeadSpace RID-114 Receive Box

Address:

(CAI)

Describe the site location:

Sampling Train

Canister: 1.0 L ☒ 6.0 L ☐ Silanized: Y ☒ N ☐Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other:

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐24 hour ☐ Other:

Sampling start: Date: 6/29/2011 Time: 0850 Gauge read: 28.3 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0850 Gauge read: 8.4 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other:

Tubing used from the sampling point to canister: Length: inch ID 0.125 inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather (WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐Wind: Mild ☐ Middle ☐ Strong ☐At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

~5" BELOW STEEL PLATE COVERING

RECEIVER BOX. (INSERTED TUBING IN OPENING

4620 E. Elwood Street, Suite 13, Phoenix, AZ 85040

• Phone: 480-968-5888 • Fax: 480-966-1888 • yshi@azairlab.com

Page 1 of 14

BETWEEN DISCHARGE
PIPING & START
OF STEEL PLATE.)

8:00

8:10

8:20

8:30

8:40

25.0

21.4

18.0

15.0

11.2

1444 / 7342317



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A3

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A3

Client's ID: BZ RID-114 Receive Box

Address:

(A3)

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other:

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐ Other:

Sampling start: Date: 6/29/2011 Time: 0752 Gauge read: 28.1 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0852 Gauge read: 10.8 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other:

Tubing used from the sampling point to canister: Length: inch ID inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather (WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

240' FROM TOP OF RECEIVER BOX
TO INTAKE

4620 E. Elwood Street, Suite 13, Phoenix, AZ 85040

• Phone: 480-968-5888 • Fax: 480-966-1888 • yshi@azairlab.com

Page 2 of 14

8:02 8:12 8:22 8:32 8:42
25.6 22.6 19.7 16.8 13.8

1466/7342162



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A5

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #002.10

Sampling Site's Information

Location: RID-A5

Client's ID: BZ RID-114 Fence Line

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other:

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other:

Sampling start: Date: 6/29/2011 Time: 0751 Gauge read: 28.0 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0851 Gauge read: 10.8 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other:

Tubing used from the sampling point to canister: Length: inch ID inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

~71" FROM GROUND SURFACE TO INTAKE

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8:01 25.5
8:11 22.4
8:21 19.4
8:31 16.6
8:41 13.3

1460/7339899



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A6

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #302.10

Sampling Site's Information

Location: RID-A6

Client's ID: BZ RID-114 Fence Line

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other:

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other:

Sampling start: Date: 6/29/2011 Time: 0753 Gauge read: 28.7 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0853 Gauge read: 10.5 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other:

Tubing used from the sampling point to canister: Length: inch ID inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐Wind: Mild ☐ Middle ☐ Strong ☐At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

~75" FROM GROUND SURFACE TO INTAKE

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8:03 8:13 8:23 8:33 8:43
 26.2 22.8 19.8 16.7 13.7

1468/7342163



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A7

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A7

Client's ID: BZ RID-114 Fence Line

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐ 24 hour ☐ Other: ☐

Sampling start: Date: 6/29/2011 Time: 28:00 Gauge read: 28.0 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0855 Gauge read: 10.2 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID: ☐ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

~69" FROM GROUND SURFACE TO INTAKE

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8:05 25.4
8:15 22.2
8:25 19.4
8:35 16.4
8:45 13.3

1448/7342144



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A8

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A8

Client's ID: BZ RID-114 Fence Line

(South)

Address:

(A8)

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silantized: Y ☒ N ☐Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other: _____

Sampling start: Date: 6/29/2011 Time: 0754 Gauge read: 28.0 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0954 Gauge read: 9.3 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: _____ inch ID: _____ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather (WEATHER STATION DATA WILL BE USED).

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐Wind: Mild ☐ Middle ☐ Strong ☐At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

~62" FROM GROUND SURFACE TO INTAKE.

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8:04 8:14 8:24 8:24 8:34 8:44
 25.3 28.8 18.6 15.4 12.7



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A13

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A13

Client's ID: RID-Background 6-29-11

Address:

(A13)

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐

Other: ☐

Sampling start: Date: 6/29/2011

Time: 0750

Gauge read: 28.2 inch, Hg

Sampling End: Date: 6/29/2011

Time: 0850

Gauge read: 9.2 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID: ☐ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☐ N ☐

Comments:

Weather (WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

LOCATED ADJACENT TO TREE LABELED "52" AT GREENWOOD MEMORIAL LAWN.

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A15

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSEN

Project Number: #802.10

Sampling Site's Information

Location: RID-A15

Client's ID: HeadSpace in RID-114

Address: _____

Diversion Box (A15)

Describe the site location: _____

Sampling Train

Canister: 1.0 L ☒ 6.0 L ☐ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐

Other: _____

Sampling start: Date: 6/29/2011 Time: 0751 Gauge read: 27 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0851 Gauge read: 7.9 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: _____ inch ID 0.125 inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments: _____

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments: _____

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

A16

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A16

Client's ID: BZ @ RID-114 Diversion Box

Address:

CA16)

Describe the site location:

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: ☐

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐ Other: ☐

Sampling start: Date: 6/29/2011 Time: 08:20 Gauge read: 28.2 inch, Hg

Sampling End: Date: 6/29/2011 Time: 08:50 Gauge read: 9.3 inch, Hg

Any tubing used on the sampling train? No ☒ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☐ Teflon ☐ Vinyl ☐ PVC ☐ Other: ☐

Tubing used from the sampling point to canister: Length: ☐ inch ID ☐ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather (WEATHER STATION DATA WILL BE USED)

Temperature: ☐ F° ☒ C° Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

266" ABOVE GROUND SURFACE TO INLET
ON SAMPLE CANISTER.

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(LOCATED ON
SOUTH EDGE OF
DIVERSION BOX)



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A17

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A17

Client's ID: HeadSpace in Salt Canal Manhole

Address: _____

Describe the site location: _____

Sampling Train

Canister: 1.0 L ☒ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other: _____

Sampling start: Date: 6/29/2011 Time: 0750 Gauge read: 28.0 inch, Hg

Sampling End: Date: 6/29/2011 Time: 0850 Gauge read: 8.7 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: _____ inch ID 0.125 inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments: _____

Weather (WEATHER STATION DATA WILL BE USED).

Temperature: _____ F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments: _____

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

~24" BELOW GROUND SURFACE TO
INLET TO SAMPLE CANISTER.

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A18

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A18

Client's ID: HeadSpace in Salt Canal

Address:

Pipe @ Opening (A18)

Describe the site location:

OPEN CANAL
WEST OF 7TH AVE.

Sampling Train

Canister: 1.0 L ☒ 6.0 L ☒ Silantized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐

24 hour ☐ Other: _____

Sampling start Date: 6/29/2011 Time: 10:36 Gauge read: 28.2 inch, Hg

Sampling End: Date: 6/29/2011 Time: 11:36 Gauge read: 8.5 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: 60 inch ID 0.12 inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☒ N ☐ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form:

(SEE DETAILS ON DUPLICATE AASP FORM)

Sampling site Inspection Note:

~ 2" above WATER SURFACE
TO INLET TO CANISTER

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10:46
25.0

10:56
21.6

11:06
18.5

11:16
15.0

11:26
11.6



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

Dup ☒

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: Joe Pearson

Project Number: #802.10

Sampling Site's Information

Location: RID-Dup 6-29-2011 (RIDAY8)

Client's ID: DUPLICATE D

Address:

Describe the site location:

Sampling Train

Canister: 1.0 L ☒ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other:

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other:

Sampling start: Date: 6/29/2011 Time: 10:36 Gauge read: 28.5 inch, Hg

Sampling End: Date: 6/29/2011 Time: 11:36 Gauge read: 8.8 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☐ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other:

Tubing used from the sampling point to canister: Length: 60 inch ID 0.12 inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments:

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments:

Field Duplicate Y ☒ N ☐ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form:

Sampling site Inspection Note:

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10:46 10:56 11:06 11:16 11:26
25.3 21.8 18.8 15.3 11.8



Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A19

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A19

Client's ID: Surface of Salt Canal @

Address: ~200 yards west of 79th Ave

Open Section (A19)

Describe the site location: Canister placed on bridge running over canal. Tubing placed approx. 2 inches above surface of water.

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Silanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other: _____

Sampling start: Date: 6/29/2011 Time: 10:35 Gauge read: 28.5 inch, Hg

Sampling End: Date: 6/29/2011 Time: 11:35 Gauge read: 10.0 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: 72 inch ID 1/8 inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments: _____

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments: _____

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks blow:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

Site west of 79th Ave.

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Airtech Environmental Laboratories, LLC

Ambient Air Sampling Plan (AASP)

#: A23

Sampling Co.

Date: 6/29/2011

Company Name: Synergy/Airtech

Sampler's Name: Andrew/Yu Min

Consulting Firm:

Company Name: Synergy

Project Name: RID

Project Manager: JOEL PETERSON

Project Number: #802.10

Sampling Site's Information

Location: RID-A23

Client's ID: Surface of Main Canal @

Address: _____

Salt Canal Discharge (A23)

Describe the site location: _____

Sampling Train

Canister: 1.0 L ☐ 6.0 L ☒ Sitanized: Y ☒ N ☐

Grab Sampler: One min ☐ Two min ☐ Five min ☐ Other: _____

One min = Taking one minute to fill one liter canister.

Time Integrated Sampler ☒ Sampling duration: One hour ☒ 4 hour ☐ 8 hour ☐ 12 hour ☐
24 hour ☐ Other: _____

Sampling start: Date: 6/29/2011 Time: 1035 Gauge read: 28.2 inch, Hg

Sampling End: Date: 6/29/2011 Time: 1135 Gauge read: 2.8 inch, Hg

Any tubing used on the sampling train? No ☐ Yes ☒ If yes, fill the information below:

Tubing type: Tygon ☒ Teflon ☐ Vinyl ☐ PVC ☐ Other: _____

Tubing used from the sampling point to canister: Length: _____ inch ID _____ inch

Are all parts of Sampling Train tested in the lab before sampling? Y ☒ N ☐

Comments: _____

Weather

(WEATHER STATION DATA WILL BE USED)

Temperature: _____ F° ☒ C° ☐ Sunshine ☐ Cloudy ☐ Rain ☐

Wind: Mild ☐ Middle ☐ Strong ☐

At the sampling point: Upwind ☐ Downwind ☐

Comments: _____

Field Duplicate Y ☐ N ☒ If Yes, fill in the blanks below:

Describe the duplicate sample site position and fill separate AASP Form: _____

Sampling site Inspection Note:

1-2" FROM SURFACE OF WATER
TO INTAKE TO SAMPLE CANISTER.

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(SEE PHOTO
FOR LOCATION
@ SALT CANAL
DISCHARGE)



APPENDIX B

COPIES OF SYNERGY ENVIRONMENTAL WATER SAMPLING FIELD DATA SHEETS



FIELD DATA SHEET FOR GROUNDWATER SAMPLING

Project: #802.10 RID Well/Canal Site: EB-1/RID105 On-Site: _____ Off-Site: 1050

Page 1 of 5

SAMPLE ID	SAMPLE DATE	TIME	TEMP (°C)	pH (S.U.)	E.C. (uS)	FIELD METER	ANALYSIS	COMMENTS/NOTES
EB-1	9/27/11	0825	—	—	—	—	8260B	EQUIPMENT BLANK COLLECTED PRIOR TO INITIAL WELLHEAD SAMPLE. COLLECTED USING ORGANIC FREE WATER PREPARED BY TESTAMERICA & POURING IT OVER & THROUGH SAMPLER; COLLECTING RINSE IN SAMPLE BOTTLES. SAMPLER WAS DECONTAMINATED W/ ALCONOX/WATER RINSE, SECOND RINSE W/ WATER & FINAL RINSE W/ ORGANIC FREE WATER.
W-3	9/27/11	1037	—	—	—	HANNA		PURGE INITIATED
@ RID105		1039	25.6	6.98	2,122	PROBE (HI 991300)		
		1041	24.9	7.03	2,146			
		1043	24.4	7.05	2,170			
		1044	—	—	—		8260B	SAMPLE COLLECTED.

FIELD DATA SHEET FOR GROUNDWATER SAMPLING

Project: #802.10 RID Well/Canal Site: RID-106, -107, -108 On-Site: _____ Off-Site: _____Page 2 of 5

SAMPLE ID	SAMPLE DATE	TIME	TEMP (°C)	pH (S.U.)	E.C. (uS)	FIELD METER	ANALYSIS	COMMENTS/NOTES
W-4	6/27/11	1057	—	—	—	HANNA PROBE		PURGE INITIATED
@RID106		1059	24.4	7.17	2,013			
		1101	24.1	7.17	2,023			
		1103	23.9	7.15	2,032			
		1104	—	—	—		8260B	SAMPLE COLLECTED
W-5	6/27/11	1121	—	—	—	HANNA PROBE		PURGE INITIATED.
@RID107		1123	24.6	7.08	1,924			
		1125	24.4	7.10	1,919			
		1127	24.2	7.11	1,929			
		1128	—	—	—		8260B	SAMPLE COLLECTED.
W-6	6/27/11	1141	—	—	—	HANNA PROBE		PURGE INITIATED.
@RID108		1142	26.6	7.17	2,108			
		1143	26.1	7.22	2,078			
		1144	26.0	7.18	2,089		8260B	SAMPLE COLLECTED.

FIELD DATA SHEET FOR GROUNDWATER SAMPLING

Project: #802.10 RID Well/Canal Site: RID-109, 110, 112 On-Site: _____ Off-Site: _____

Page 3 of 5

SAMPLE ID	SAMPLE DATE	TIME	TEMP (°C)	pH (S.U.)	E.C. (uS)	FIELD METER	ANALYSIS	COMMENTS/NOTES
W-7	6/27/11	1156	—	—	—	HANNA PROBE		ROUGE INITIATED.
@RID109	↙	1158	25.3	7.10	1,986			
	↘	1200	24.6	7.12	1,998			
	↓	1201	24.4	7.12	2,003		8260B	Sample Collected.
W-8	6/27/11	1218	—	—	—	HANNA PROBE		ROUGE INITIATED
@RID110	↙	1219	26.6	7.10	1,926			
	↘	1221	25.4	7.10	1,951			
	↓	1223	25.0	7.12	1,960		8260B	Sample Collected.
W-10	6/27/11	1240	—	—	—	HANNA PROBE		ROUGE INITIATED
@RID112	↙	1241	27.1	6.96	2,025			
	↘	1243	26.7	7.00	2,026			
	↓	1245	26.3	7.01	2,031		8260B	Sample Collected

FIELD DATA SHEET FOR GROUNDWATER SAMPLING

Project: #802.10 RID Well/Canal Site: RID-113, MC WEST OF 83RD,
SC WEST OF 75TH On-Site: _____ Off-Site: _____

Page 4 of 5

SAMPLE ID	SAMPLE DATE	TIME	TEMP (°C)	pH (S.U.)	E.C. (uS)	FIELD METER	ANALYSIS	COMMENTS/NOTES
W-11	6/27/11	1303	—	—	—	HANNA PROBE		PURGE INITIATED.
@RID113	↙	1304	30.2	7.18	2,113			
	↘	1305	28.6	7.19	2,137		8260B	Sample Collected.
W-22	6/27/11	1359	—	—	—	HANNA PROBE		PURGE INITIATED.
@MC, ~500' DOWNSTREAM OF SPILT CANAL DISCHARGE. (4TH TREE W OF BLOCKWALL CORNER)	↙	1401	30.0	7.53	1,502			
		1403	29.2	7.59	1,515			
		1405	28.7	7.61	1,511			
	↘	1406	—	—	—		8260B	Sample Collected.
W-19	6/27/11	1429	—	—	—	HANNA PROBE		PURGE INITIATED.
@SC, FROM PIPELINE TO OPEN CANAL JUST W OF 75TH AVENUE.	↙	1430	27.7	7.20	1,994			
		1432	26.7	7.23	2,025			
	↘	1434	26.1	7.25	2,041		8260B	Sample collected incl DUPLICATE A
								* Sample collected in flow of water.

Project: #002.10 RID Well/Canal Site: RID84 On-Site: _____ Off-Site: _____

Page 5 of 5

[illegible]

CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING

17461 Garden Ave., #400, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 10145 Canyon Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 8820 South 44th St., Suite B-200, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd., #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

TAL-0013(1007)

Page 1 of 1

Client Name/Address: SYNERGY ENV., LLC 10645 N. TATUM BLVD, #200-437 PHOENIX, AZ 85028			Project/PO Number: #802.10			Analysis Required										
Project Manager: JOEL PETERSON			Phone Number: (602) 430-2785													
Sampler: ANDREW MAC HUST			Fax Number: _____													
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions									
TB	W	40 mL VOA	1	6/10/11	—	HCl										
EB-1	W	40 mL VOA	3	6/27/11	0825	HCl										
W-3	W	40 mL VOA	3		1044	HCl										
W-4	W	40 mL VOA	3		1104	HCl										
W-5	W	40 mL VOA	3		1128	HCl										
W-6	W	40 mL VOA	3		1144	HCl										
W-7	W	40 mL VOA	3		1201	HCl										
W-8	W	40 mL VOA	3		1223	HCl										
W-10	W	40 mL VOA	3		1245	HCl										
W-11	W	40 mL VOA	3		1305	HCl										
W-22	W	40 mL VOA	3		1406	HCl										
W-19	W	40 mL VOA	3		1434	HCl										
W-12	W	40 mL VOA	3	1512	HCl											
DUPLICATE A	W	40 mL VOA	3	6/27/11	—	HCl										
Relinquished By: <i>[Signature]</i>			Date/Time: 6/27/11 1608			Received By: <i>[Signature]</i>			Date/Time: _____			Turnaround Time: (Check) same day _____ 72 hours _____ 24 hours _____ 5 days <u>X</u> 48 hours _____ normal _____				
Relinquished By: _____			Date/Time: _____			Received By: _____			Date/Time: _____			Sample Integrity: (Check) intact _____ on ice <u>Y</u>				
Relinquished By: _____			Date/Time: _____			Received in Lab By: <i>[Signature]</i>			Date/Time: 6-27-11 1608							

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

29°

FIELD DATA SHEET FOR GROUNDWATER SAMPLING

Project: #802.10

RID Well/Canal Site: RID89 92
EB-2

On-Site: Off-Site:

Page 1 of 3

SAMPLE ID	SAMPLE DATE	TIME	TEMP (°C)	pH (S.U.)	E.C. (uS)	FIELD METER	ANALYSIS	COMMENTS/NOTES
W-13	6/28/11	0529	—	—	—	HANNA PROBE		PURGE INITIATED
@RID89		0530	25.4	7.09	1,789			
		0532	24.8	7.09	1,773			
		0534	24.4	7.09	1,746		8260B	SAMPLE COLLECTED + DUPLICATE B
W-2	6/28/11	0638	—	—	—	HANNA PROBE		PURGE INITIATED.
@RID92		0639	25.0	7.13	1,626			
		0641	24.8	7.17	1,763			
		0643	—	—	—			
		0645	24.5	7.18	1,770		8260B	SAMPLE COLLECTED
EB-2	6/28/11	0735					8260B	SAMPLE COLLECTED (SEE PROCEDURE FOR EB-1)
W-20	6/28/11	0813	—	—	—	HANNA PROBE		PURGE INITIATED
@RID92		0814	26.5	7.41	1,744			
OPEN SEG BEFORE		0816	25.8	7.40	1,752			
GOING UNDERGROUND		0818	25.4	7.40	1,757		8260B	SAMPLE COLLECTED

FIELD DATA SHEET FOR GROUNDWATER SAMPLING

Project: #302.10 RID Well/Canal Site: RID92 DISCHARGE On-Site: _____ Off-Site: _____
RID95, RID100

Page 2 of 3

SAMPLE ID	SAMPLE DATE	TIME	TEMP (°C)	pH (S.U.)	E.C. (uS)	FIELD METER	ANALYSIS	COMMENTS/NOTES
W-21	6/28/11	1007	—	—	—	HANNA PROBE		PURGE INITIATED
@ RID92 DISCHARGE		1008	28.6	7.47	1,707			
TO MAIN CANAL		1009	27.0	7.47	1,744			
		1010	26.6	7.48	1,750			
		1011	26.1	7.50	1,756		8260B	Sample Collected.
W-14	6/28/11	1051	—	—	—	HANNA PROBE		
@ RID95		1052	28.7	7.03	1,301			
		1054	28.6	7.03	1,299			
		1056	28.0	7.03	1,297		8260B	Sample Collected
W-15	6/28/11	1118	—	—	—			PURGE INITIATED
@ RID100		1119	28.6	7.03	1,158			
		1121	27.2	7.03	1,187			
		1123	26.6	7.03	1,190			Sample Collected.

Project: #302.10

RID Well/Canal Site: RID104, 102 On-Site: _____ Off-Site: _____

Page 3 of 3

SYNERGY
ENVIRONMENTAL, LLC

Project: #602.10 RID Well/Canal Site: RID114 On-Site: _____ Off-Site: _____
#MANHOLE@SALT CANAL

Page 1 of 1

SYNERGY
ENVIRONMENTAL, LLC

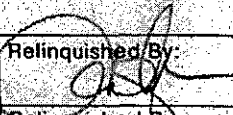



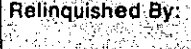

CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

☒ Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
☐ Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
☐ Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: SYNERGY ENV. LLC 10645 N. TAVUM BLVD #200-437 PHOENIX, AZ 85028			Project/PO Number: #802.10			Analysis Required										
Project Manager: JOEL PETERSON			Phone Number: (602) 430-2185			VOCs BY 8/26/08 (FULL LIST)										
Sampler: ANDREW MAC HUGH			Fax Number:													
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions									
TB	W	40 mL VOA	1	6/10/11	—	HCL	(A diagonal line is drawn across the remaining rows of the table.)									
W-1	W	40 mL VOA	3	6/29/11	0636	HCL										
W-18	W	40 mL VOA	3	6/29/11	0750	HCL										
DUPLICATE E	W	40 mL VOA	3	6/29/11	—	HCL										
Relinquished By:  Date/Time: 6/29/11 1233							Received By:  Date/Time:							Turnaround Time: (Check)		
Relinquished By:  Date/Time:							Received By:  Date/Time:							same day <input type="checkbox"/> 72-hours <input checked="" type="checkbox"/> 24 hours <input type="checkbox"/> 5 days <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> normal <input type="checkbox"/>		
Relinquished By:  Date/Time:							Received in Lab By:  Date/Time: 6/29/11 1233							Sample Integrity: (Check) intact <input checked="" type="checkbox"/> on ice <input checked="" type="checkbox"/>		

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2906

APPENDIX C

COPY OF TESTAMERICA FINAL ANALYTICAL REPORTS

LABORATORY REPORT

Prepared For: Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project: PO #802.10 June 2011

Sampled: 06/27/11
Received: 06/27/11
Issued: 07/05/11 13:17

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUF1584-01
PUF1584-02
PUF1584-03
PUF1584-04
PUF1584-05
PUF1584-06
PUF1584-07
PUF1584-08
PUF1584-09
PUF1584-10
PUF1584-11
PUF1584-12
PUF1584-13
PUF1584-14

CLIENT ID

TB
EB-1
W-3
W-4
W-5
W-6
W-7
W-8
W-10
W-11
W-22
W-19
W-12
Duplicate A

MATRIX

Water
Water
Water
Water
Water
Water
Water
Water
Water
Water
Water
Water
Water
Water

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

L3 EPA 8260B:Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1 EPA 8260B:The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

Carlene McCutcheon

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

PUF1584 <Page 2 of 62>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-01 (TB - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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PUF1584 <Page 3 of 62>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-01 (TB - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				108 %				
Surrogate: Toluene-d8 (70-130%)				102 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				100 %				

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-02 (EB-1 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-02 (EB-1 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	

Surrogate: Dibromofluoromethane (70-130%)

107 %

Surrogate: Toluene-d8 (70-130%)

101 %

Surrogate: 4-Bromofluorobenzene (70-130%)

96 %

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-03 (W-3 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	0.68	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-03 (W-3 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	3.5	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	0.58	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				110 %				
Surrogate: Toluene-d8 (70-130%)				103 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				98 %				

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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PUF1584 <Page 8 of 62>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-04 (W-4 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	1.9	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	4.9	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	1.3	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-04 (W-4 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	25	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	9.0	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	0.93	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				111 %				
Surrogate: Toluene-d8 (70-130%)				105 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				96 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-05 (W-5 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	1.5	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	0.65	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	2.9	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-05 (W-5 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	8.8	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	8.5	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	0.80	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				112 %				
Surrogate: Toluene-d8 (70-130%)				102 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				98 %				

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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PUF1584 <Page 12 of 62>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-06 (W-6 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	1.2	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	0.76	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-06 (W-6 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	2.7	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	7.5	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	2.8	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				109 %				
Surrogate: Toluene-d8 (70-130%)				104 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				94 %				

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-07 (W-7 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	2.8	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	1.0	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	2.5	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

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Carlene McCutcheon
Project Manager

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-07 (W-7 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	6.3	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	7.0	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				112 %				
Surrogate: Toluene-d8 (70-130%)				103 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				96 %				

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-08 (W-8 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	3.7	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-08 (W-8 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	7.3	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	1.4	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				112 %				
Surrogate: Toluene-d8 (70-130%)				105 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				95 %				

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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PUF1584 <Page 18 of 62>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-09 (W-10 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	3.8	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	0.62	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	2.0	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-09 (W-10 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	3.6	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	14	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				113 %				
Surrogate: Toluene-d8 (70-130%)				104 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				101 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-10 (W-11 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1075	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Carbon tetrachloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1075	0.50	2.9	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1075	0.50	1.1	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1075	0.50	2.2	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	4.4	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-10 (W-11 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1075	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1075	0.50	3.2	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1075	0.50	27	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1075	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1075	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1075	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				113 %				
Surrogate: Toluene-d8 (70-130%)				101 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				97 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-11 (W-22 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	1.7	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	3.0	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	0.70	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	0.74	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-11 (W-22 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	1.9	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	M2
Trichloroethene	EPA 8260B	11F1112	0.50	4.2	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				110 %				
Surrogate: Toluene-d8 (70-130%)				103 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				101 %				

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-12 (W-19 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	2.2	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	0.62	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	1.5	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	2.2	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-12 (W-19 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	5.9	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	14	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	

Surrogate: Dibromofluoromethane (70-130%)

111 %

Surrogate: Toluene-d8 (70-130%)

105 %

Surrogate: 4-Bromofluorobenzene (70-130%)

98 %

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-13 (W-12 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1050	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	L3
Carbon tetrachloride	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1050	0.50	0.61	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1050	0.50	0.88	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-13 (W-12 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1050	0.50	9.7	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1050	0.50	1.4	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1050	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				102 %				
Surrogate: Toluene-d8 (70-130%)				98 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				96 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-14 (Duplicate A - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1050	10	ND	1	6/29/2011	6/29/2011	
Benzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromochloromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromodichloromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Bromoform	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
Bromomethane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
2-Butanone (MEK)	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
n-Butylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
sec-Butylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
tert-Butylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Carbon disulfide	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	L3
Carbon tetrachloride	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Chlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Chloroethane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
Chloroform	EPA 8260B	11F1050	0.50	2.2	1	6/29/2011	6/29/2011	
Chloromethane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
2-Chlorotoluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
4-Chlorotoluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Dibromochloromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Dibromomethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Dichlorodifluoromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethane	EPA 8260B	11F1050	0.50	0.63	1	6/29/2011	6/29/2011	
1,2-Dichloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1-Dichloroethene	EPA 8260B	11F1050	0.50	1.7	1	6/29/2011	6/29/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1050	0.50	2.4	1	6/29/2011	6/29/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2-Dichloropropane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,3-Dichloropropane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
2,2-Dichloropropane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,1-Dichloropropene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Ethylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Hexachlorobutadiene	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1584-14 (Duplicate A - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
Iodomethane	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
Isopropylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
p-Isopropyltoluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Methylene Chloride	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Naphthalene	EPA 8260B	11F1050	2.5	ND	1	6/29/2011	6/29/2011	
n-Propylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Styrene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Tetrachloroethene	EPA 8260B	11F1050	0.50	6.0	1	6/29/2011	6/29/2011	
Toluene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Trichloroethene	EPA 8260B	11F1050	0.50	14	1	6/29/2011	6/29/2011	
Trichlorofluoromethane	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Vinyl Acetate	EPA 8260B	11F1050	1.0	ND	1	6/29/2011	6/29/2011	
Vinyl chloride	EPA 8260B	11F1050	0.50	ND	1	6/29/2011	6/29/2011	
Xylenes, Total	EPA 8260B	11F1050	1.5	ND	1	6/29/2011	6/29/2011	
Surrogate: Dibromofluoromethane (70-130%)				104 %				
Surrogate: Toluene-d8 (70-130%)				98 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				93 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
Blank Analyzed: 06/29/2011 (11F1050-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
Blank Analyzed: 06/29/2011 (11F1050-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Surrogate: Dibromofluoromethane	23.9		ug/l	25.0		96	70-130			
Surrogate: Toluene-d8	24.8		ug/l	25.0		99	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		ug/l	25.0		98	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
LCS Analyzed: 06/29/2011 (11F1050-BS1)										
Acetone	32.4	10	ug/l	25.0		130	30-150			
Benzene	24.8	0.50	ug/l	25.0		99	70-130			
Bromobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Bromochloromethane	25.0	0.50	ug/l	25.0		100	70-130			
Bromodichloromethane	26.0	0.50	ug/l	25.0		104	70-130			
Bromoform	23.0	1.0	ug/l	25.0		92	67-122			
Bromomethane	25.2	1.0	ug/l	25.0		101	64-132			
2-Butanone (MEK)	31.3	2.5	ug/l	25.0		125	48-150			
n-Butylbenzene	29.0	0.50	ug/l	25.0		116	70-130			
sec-Butylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
tert-Butylbenzene	26.4	0.50	ug/l	25.0		106	70-130			
Carbon disulfide	30.6	0.50	ug/l	25.0		122	61-126			
Carbon tetrachloride	26.4	0.50	ug/l	25.0		106	70-130			
Chlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
Chloroethane	26.1	1.0	ug/l	25.0		105	69-128			
Chloroform	24.6	0.50	ug/l	25.0		98	70-130			
Chloromethane	26.2	1.0	ug/l	25.0		105	56-131			
2-Chlorotoluene	24.8	0.50	ug/l	25.0		99	70-130			
4-Chlorotoluene	25.7	0.50	ug/l	25.0		103	70-130			
Dibromochloromethane	26.4	0.50	ug/l	25.0		105	70-130			
1,2-Dibromo-3-chloropropane	25.8	2.5	ug/l	25.0		103	63-129			
1,2-Dibromoethane (EDB)	24.7	0.50	ug/l	25.0		99	70-130			
Dibromomethane	25.2	0.50	ug/l	25.0		101	70-130			
1,2-Dichlorobenzene	25.5	0.50	ug/l	25.0		102	70-130			
1,3-Dichlorobenzene	24.6	0.50	ug/l	25.0		98	70-130			
1,4-Dichlorobenzene	24.8	0.50	ug/l	25.0		99	70-130			
Dichlorodifluoromethane	27.5	0.50	ug/l	25.0		110	42-150			
1,1-Dichloroethane	24.8	0.50	ug/l	25.0		99	70-130			
1,2-Dichloroethane	25.8	0.50	ug/l	25.0		103	72-133			
1,1-Dichloroethene	26.1	0.50	ug/l	25.0		104	70-130			
cis-1,2-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130			
trans-1,2-Dichloroethene	25.0	0.50	ug/l	25.0		100	70-130			
1,2-Dichloropropane	23.6	0.50	ug/l	25.0		94	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0		92	70-130			
2,2-Dichloropropane	26.5	1.0	ug/l	25.0		106	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
LCS Analyzed: 06/29/2011 (11F1050-BS1)										
1,1-Dichloropropene	24.9	0.50	ug/l	25.0		100	70-130			
cis-1,3-Dichloropropene	26.6	0.50	ug/l	25.0		107	70-130			
trans-1,3-Dichloropropene	27.2	0.50	ug/l	25.0		109	70-130			
Ethylbenzene	27.7	0.50	ug/l	25.0		111	70-130			
Hexachlorobutadiene	26.4	1.0	ug/l	25.0		106	70-130			
2-Hexanone	31.9	2.5	ug/l	25.0		128	44-150			
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138			
Isopropylbenzene	26.9	0.50	ug/l	25.0		108	70-130			
p-Isopropyltoluene	28.9	0.50	ug/l	25.0		116	70-130			
Methylene Chloride	24.8	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	30.3	2.5	ug/l	25.0		121	61-142			
Methyl-tert-butyl Ether (MTBE)	22.2	0.50	ug/l	25.0		89	70-130			
Naphthalene	27.6	2.5	ug/l	25.0		110	65-129			
n-Propylbenzene	27.8	0.50	ug/l	25.0		111	70-130			
Styrene	27.4	0.50	ug/l	25.0		110	70-130			
1,1,1,2-Tetrachloroethane	24.6	0.50	ug/l	25.0		98	70-130			
1,1,2,2-Tetrachloroethane	19.8	0.50	ug/l	25.0		79	70-130			
Tetrachloroethene	24.5	0.50	ug/l	25.0		98	70-130			
Toluene	26.4	0.50	ug/l	25.0		106	70-130			
1,2,3-Trichlorobenzene	28.5	1.0	ug/l	25.0		114	70-130			
1,2,4-Trichlorobenzene	27.2	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	25.6	0.50	ug/l	25.0		102	70-130			
1,1,2-Trichloroethane	25.0	0.50	ug/l	25.0		100	70-130			
Trichloroethene	25.0	0.50	ug/l	25.0		100	70-130			
Trichlorofluoromethane	29.2	0.50	ug/l	25.0		117	78-149			
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130			
1,2,4-Trimethylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
1,3,5-Trimethylbenzene	27.3	0.50	ug/l	25.0		109	70-130			
Vinyl Acetate	24.1	1.0	ug/l	25.0		96	57-149			
Vinyl chloride	28.1	0.50	ug/l	25.0		112	66-134			
Xylenes, Total	54.3	1.5	ug/l	50.0		109	70-130			
Surrogate: Dibromofluoromethane	24.9		ug/l	25.0		100	70-130			
Surrogate: Toluene-d8	25.6		ug/l	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	26.8		ug/l	25.0		107	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
LCS Dup Analyzed: 06/29/2011 (11F1050-BSD1)										
Acetone	33.4	10	ug/l	25.0		134	30-150	3	35	
Benzene	25.4	0.50	ug/l	25.0		102	70-130	3	20	
Bromobenzene	23.8	0.50	ug/l	25.0		95	70-130	3	20	
Bromochloromethane	24.5	0.50	ug/l	25.0		98	70-130	2	20	
Bromodichloromethane	26.1	0.50	ug/l	25.0		104	70-130	0.4	20	
Bromoform	23.1	1.0	ug/l	25.0		92	67-122	0.7	20	
Bromomethane	26.0	1.0	ug/l	25.0		104	64-132	3	20	
2-Butanone (MEK)	30.9	2.5	ug/l	25.0		123	48-150	1	33	
n-Butylbenzene	28.2	0.50	ug/l	25.0		113	70-130	2	20	
sec-Butylbenzene	28.1	0.50	ug/l	25.0		112	70-130	0.4	20	
tert-Butylbenzene	26.5	0.50	ug/l	25.0		106	70-130	0.3	20	
Carbon disulfide	32.8	0.50	ug/l	25.0		131	61-126	7	20	L3
Carbon tetrachloride	27.1	0.50	ug/l	25.0		108	70-130	2	20	
Chlorobenzene	25.1	0.50	ug/l	25.0		100	70-130	3	20	
Chloroethane	26.4	1.0	ug/l	25.0		106	69-128	1	20	
Chloroform	24.9	0.50	ug/l	25.0		100	70-130	1	20	
Chloromethane	25.8	1.0	ug/l	25.0		103	56-131	1	20	
2-Chlorotoluene	25.7	0.50	ug/l	25.0		103	70-130	4	20	
4-Chlorotoluene	26.6	0.50	ug/l	25.0		106	70-130	3	20	
Dibromochloromethane	26.4	0.50	ug/l	25.0		105	70-130	0	20	
1,2-Dibromo-3-chloropropane	24.6	2.5	ug/l	25.0		99	63-129	5	25	
1,2-Dibromoethane (EDB)	24.5	0.50	ug/l	25.0		98	70-130	0.9	20	
Dibromomethane	24.3	0.50	ug/l	25.0		97	70-130	4	20	
1,2-Dichlorobenzene	25.5	0.50	ug/l	25.0		102	70-130	0.1	20	
1,3-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	70-130	2	20	
1,4-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
Dichlorodifluoromethane	27.9	0.50	ug/l	25.0		112	42-150	1	20	
1,1-Dichloroethane	25.4	0.50	ug/l	25.0		102	70-130	2	20	
1,2-Dichloroethane	25.0	0.50	ug/l	25.0		100	72-133	3	20	
1,1-Dichloroethene	26.6	0.50	ug/l	25.0		106	70-130	2	20	
cis-1,2-Dichloroethene	24.9	0.50	ug/l	25.0		99	70-130	1	20	
trans-1,2-Dichloroethene	25.9	0.50	ug/l	25.0		103	70-130	3	20	
1,2-Dichloropropane	23.5	0.50	ug/l	25.0		94	70-130	0.3	20	
1,3-Dichloropropane	22.7	0.50	ug/l	25.0		91	70-130	1	20	
2,2-Dichloropropane	26.6	1.0	ug/l	25.0		106	70-130	0.1	20	

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
LCS Dup Analyzed: 06/29/2011 (11F1050-BSD1)										
1,1-Dichloropropene	25.7	0.50	ug/l	25.0		103	70-130	3	20	
cis-1,3-Dichloropropene	26.4	0.50	ug/l	25.0		106	70-130	0.9	20	
trans-1,3-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130	4	20	
Ethylbenzene	28.4	0.50	ug/l	25.0		114	70-130	3	20	
Hexachlorobutadiene	26.4	1.0	ug/l	25.0		105	70-130	0.3	20	
2-Hexanone	32.6	2.5	ug/l	25.0		130	44-150	2	31	
Iodomethane	29.0	2.5	ug/l	25.0		116	58-138	0.7	25	
Isopropylbenzene	27.9	0.50	ug/l	25.0		112	70-130	4	20	
p-Isopropyltoluene	28.8	0.50	ug/l	25.0		115	70-130	0.5	20	
Methylene Chloride	25.1	1.0	ug/l	25.0		100	70-130	0.9	20	
4-Methyl-2-pentanone (MIBK)	27.9	2.5	ug/l	25.0		111	61-142	8	22	
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130	11	20	
Naphthalene	25.1	2.5	ug/l	25.0		101	65-129	9	20	
n-Propylbenzene	28.5	0.50	ug/l	25.0		114	70-130	2	20	
Styrene	26.8	0.50	ug/l	25.0		107	70-130	2	20	
1,1,1,2-Tetrachloroethane	25.3	0.50	ug/l	25.0		101	70-130	3	20	
1,1,2,2-Tetrachloroethane	19.5	0.50	ug/l	25.0		78	70-130	2	20	
Tetrachloroethene	25.5	0.50	ug/l	25.0		102	70-130	4	20	
Toluene	26.6	0.50	ug/l	25.0		106	70-130	0.7	20	
1,2,3-Trichlorobenzene	26.7	1.0	ug/l	25.0		107	70-130	6	20	
1,2,4-Trichlorobenzene	26.0	1.0	ug/l	25.0		104	70-130	5	20	
1,1,1-Trichloroethane	26.1	0.50	ug/l	25.0		104	70-130	2	20	
1,1,2-Trichloroethane	23.9	0.50	ug/l	25.0		96	70-130	4	20	
Trichloroethene	25.8	0.50	ug/l	25.0		103	70-130	3	20	
Trichlorofluoromethane	30.4	0.50	ug/l	25.0		122	78-149	4	20	
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130	4	20	
1,2,4-Trimethylbenzene	28.1	0.50	ug/l	25.0		113	70-130	0.7	20	
1,3,5-Trimethylbenzene	27.7	0.50	ug/l	25.0		111	70-130	1	20	
Vinyl Acetate	21.7	1.0	ug/l	25.0		87	57-149	11	21	
Vinyl chloride	28.3	0.50	ug/l	25.0		113	66-134	0.8	20	
Xylenes, Total	54.9	1.5	ug/l	50.0		110	70-130	1	20	
Surrogate: Dibromofluoromethane	24.7		ug/l	25.0		99	70-130			
Surrogate: Toluene-d8	25.3		ug/l	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.4		ug/l	25.0		106	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
Matrix Spike Analyzed: 06/29/2011 (11F1050-MS1)					Source: PUF1575-11					
Acetone	17.8	10	ug/l	25.0	ND	71	10-150			
Benzene	25.4	0.50	ug/l	25.0	ND	101	70-130			
Bromobenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
Bromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
Bromodichloromethane	25.1	0.50	ug/l	25.0	ND	100	70-130			
Bromoform	20.8	1.0	ug/l	25.0	ND	83	62-126			
Bromomethane	26.0	1.0	ug/l	25.0	ND	104	55-136			
2-Butanone (MEK)	23.3	2.5	ug/l	25.0	ND	93	22-150			
n-Butylbenzene	29.6	0.50	ug/l	25.0	ND	118	70-130			
sec-Butylbenzene	29.7	0.50	ug/l	25.0	ND	119	70-130			
tert-Butylbenzene	27.9	0.50	ug/l	25.0	ND	112	70-130			
Carbon disulfide	21.4	0.50	ug/l	25.0	ND	86	56-132			
Carbon tetrachloride	26.9	0.50	ug/l	25.0	ND	108	76-131			
Chlorobenzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
Chloroethane	26.3	1.0	ug/l	25.0	ND	105	67-134			
Chloroform	25.0	0.50	ug/l	25.0	0.220	99	70-130			
Chloromethane	25.3	1.0	ug/l	25.0	ND	101	50-135			
2-Chlorotoluene	25.9	0.50	ug/l	25.0	ND	103	70-130			
4-Chlorotoluene	26.9	0.50	ug/l	25.0	ND	107	70-130			
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,2-Dibromo-3-chloropropane	23.4	2.5	ug/l	25.0	ND	94	60-135			
1,2-Dibromoethane (EDB)	23.6	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.7	0.50	ug/l	25.0	ND	95	70-130			
1,2-Dichlorobenzene	25.6	0.50	ug/l	25.0	ND	102	70-130			
1,3-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	70-130			
1,4-Dichlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Dichlorodifluoromethane	28.1	0.50	ug/l	25.0	ND	112	36-150			
1,1-Dichloroethane	25.4	0.50	ug/l	25.0	ND	102	70-130			
1,2-Dichloroethane	24.5	0.50	ug/l	25.0	ND	98	68-143			
1,1-Dichloroethene	26.5	0.50	ug/l	25.0	ND	106	70-130			
cis-1,2-Dichloroethene	24.9	0.50	ug/l	25.0	ND	100	70-130			
trans-1,2-Dichloroethene	25.8	0.50	ug/l	25.0	ND	103	70-130			
1,2-Dichloropropane	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3-Dichloropropane	22.0	0.50	ug/l	25.0	ND	88	70-130			
2,2-Dichloropropane	27.9	1.0	ug/l	25.0	ND	112	66-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
Matrix Spike Analyzed: 06/29/2011 (11F1050-MS1)					Source: PUF1575-11					
1,1-Dichloropropene	26.3	0.50	ug/l	25.0	ND	105	70-130			
cis-1,3-Dichloropropene	25.4	0.50	ug/l	25.0	ND	102	70-130			
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0	ND	101	71-132			
Ethylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0	ND	112	66-129			
2-Hexanone	24.0	2.5	ug/l	25.0	ND	96	18-150			
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141			
Isopropylbenzene	28.9	0.50	ug/l	25.0	ND	116	78-137			
p-Isopropyltoluene	30.0	0.50	ug/l	25.0	ND	120	70-130			
Methylene Chloride	24.5	1.0	ug/l	25.0	ND	98	74-132			
4-Methyl-2-pentanone (MIBK)	26.7	2.5	ug/l	25.0	ND	107	56-145			
Methyl-tert-butyl Ether (MTBE)	19.8	0.50	ug/l	25.0	ND	79	67-138			
Naphthalene	25.8	2.5	ug/l	25.0	0.910	99	54-135			
n-Propylbenzene	29.4	0.50	ug/l	25.0	ND	118	70-130			
Styrene	22.9	0.50	ug/l	25.0	ND	92	51-123			
1,1,1,2-Tetrachloroethane	24.5	0.50	ug/l	25.0	ND	98	70-130			
1,1,2,2-Tetrachloroethane	19.4	0.50	ug/l	25.0	ND	78	69-133			
Tetrachloroethene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Toluene	26.7	0.50	ug/l	25.0	ND	107	70-130			
1,2,3-Trichlorobenzene	27.2	1.0	ug/l	25.0	ND	109	70-130			
1,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0	ND	106	66-126			
1,1,1-Trichloroethane	26.3	0.50	ug/l	25.0	ND	105	76-132			
1,1,2-Trichloroethane	23.4	0.50	ug/l	25.0	ND	93	70-130			
Trichloroethene	30.7	0.50	ug/l	25.0	5.38	101	70-130			
Trichlorofluoromethane	30.8	0.50	ug/l	25.0	ND	123	74-150			
1,2,3-Trichloropropane	21.4	1.0	ug/l	25.0	ND	86	70-130			
1,2,4-Trimethylbenzene	26.3	0.50	ug/l	25.0	ND	105	70-130			
1,3,5-Trimethylbenzene	28.5	0.50	ug/l	25.0	ND	114	61-138			
Vinyl Acetate	24.6	1.0	ug/l	25.0	ND	99	50-150			
Vinyl chloride	29.5	0.50	ug/l	25.0	ND	118	58-139			
Xylenes, Total	54.9	1.5	ug/l	50.0	ND	110	70-130			
Surrogate: Dibromofluoromethane	24.7		ug/l	25.0		99	70-130			
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	26.4		ug/l	25.0		106	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
Matrix Spike Dup Analyzed: 06/29/2011 (11F1050-MSD1)					Source: PUF1575-11					
Acetone	17.6	10	ug/l	25.0	ND	70	10-150	1	35	
Benzene	24.7	0.50	ug/l	25.0	ND	99	70-130	3	20	
Bromobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	5	20	
Bromochloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130	3	20	
Bromodichloromethane	23.3	0.50	ug/l	25.0	ND	93	70-130	7	20	
Bromoform	18.6	1.0	ug/l	25.0	ND	75	62-126	11	20	
Bromomethane	23.9	1.0	ug/l	25.0	ND	96	55-136	8	24	
2-Butanone (MEK)	22.3	2.5	ug/l	25.0	ND	89	22-150	5	31	
n-Butylbenzene	28.9	0.50	ug/l	25.0	ND	116	70-130	2	20	
sec-Butylbenzene	27.7	0.50	ug/l	25.0	ND	111	70-130	7	20	
tert-Butylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-130	9	20	
Carbon disulfide	16.9	0.50	ug/l	25.0	ND	68	56-132	23	20	RI
Carbon tetrachloride	25.2	0.50	ug/l	25.0	ND	101	76-131	6	20	
Chlorobenzene	24.1	0.50	ug/l	25.0	ND	96	70-130	3	20	
Chloroethane	24.8	1.0	ug/l	25.0	ND	99	67-134	6	20	
Chloroform	23.9	0.50	ug/l	25.0	0.220	95	70-130	5	20	
Chloromethane	23.5	1.0	ug/l	25.0	ND	94	50-135	7	20	
2-Chlorotoluene	24.8	0.50	ug/l	25.0	ND	99	70-130	4	20	
4-Chlorotoluene	25.8	0.50	ug/l	25.0	ND	103	70-130	4	20	
Dibromochloromethane	21.5	0.50	ug/l	25.0	ND	86	70-130	12	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	92	60-135	2	29	
1,2-Dibromoethane (EDB)	23.1	0.50	ug/l	25.0	ND	92	70-130	2	20	
Dibromomethane	23.4	0.50	ug/l	25.0	ND	94	70-130	1	20	
1,2-Dichlorobenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	3	20	
1,3-Dichlorobenzene	24.4	0.50	ug/l	25.0	ND	98	70-130	3	20	
1,4-Dichlorobenzene	24.1	0.50	ug/l	25.0	ND	96	70-130	4	20	
Dichlorodifluoromethane	25.8	0.50	ug/l	25.0	ND	103	36-150	9	22	
1,1-Dichloroethane	23.7	0.50	ug/l	25.0	ND	95	70-130	7	20	
1,2-Dichloroethane	23.4	0.50	ug/l	25.0	ND	93	68-143	5	20	
1,1-Dichloroethene	25.4	0.50	ug/l	25.0	ND	101	70-130	4	20	
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	95	70-130	5	20	
trans-1,2-Dichloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130	6	20	
1,2-Dichloropropane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,3-Dichloropropane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
2,2-Dichloropropane	26.0	1.0	ug/l	25.0	ND	104	66-130	7	20	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1050 Extracted: 06/29/11										
Matrix Spike Dup Analyzed: 06/29/2011 (11F1050-MSD1)					Source: PUF1575-11					
1,1-Dichloropropene	25.1	0.50	ug/l	25.0	ND	100	70-130	5	20	
cis-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	70-130	7	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	95	71-132	6	20	
Ethylbenzene	27.6	0.50	ug/l	25.0	ND	110	70-130	3	20	
Hexachlorobutadiene	26.5	1.0	ug/l	25.0	ND	106	66-129	6	21	
2-Hexanone	23.8	2.5	ug/l	25.0	ND	95	18-150	0.9	25	
Iodomethane	27.3	2.5	ug/l	25.0	ND	109	47-141	6	29	
Isopropylbenzene	27.1	0.50	ug/l	25.0	ND	108	78-137	7	20	
p-Isopropyltoluene	28.8	0.50	ug/l	25.0	ND	115	70-130	4	20	
Methylene Chloride	23.4	1.0	ug/l	25.0	ND	94	74-132	5	20	
4-Methyl-2-pentanone (MIBK)	26.7	2.5	ug/l	25.0	ND	107	56-145	0.07	26	
Methyl-tert-butyl Ether (MTBE)	18.0	0.50	ug/l	25.0	ND	72	67-138	10	21	
Naphthalene	26.0	2.5	ug/l	25.0	0.910	100	54-135	0.8	33	
n-Propylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-130	4	20	
Styrene	24.2	0.50	ug/l	25.0	ND	97	51-123	6	21	
1,1,1,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	70-130	3	20	
1,1,2,2-Tetrachloroethane	18.8	0.50	ug/l	25.0	ND	75	69-133	3	20	
Tetrachloroethene	24.9	0.50	ug/l	25.0	ND	100	70-130	4	20	
Toluene	26.1	0.50	ug/l	25.0	ND	104	70-130	2	20	
1,2,3-Trichlorobenzene	26.7	1.0	ug/l	25.0	ND	107	70-130	2	20	
1,2,4-Trichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	66-126	2	20	
1,1,1-Trichloroethane	24.9	0.50	ug/l	25.0	ND	100	76-132	6	20	
1,1,2-Trichloroethane	23.2	0.50	ug/l	25.0	ND	93	70-130	0.5	20	
Trichloroethene	29.7	0.50	ug/l	25.0	5.38	97	70-130	3	20	
Trichlorofluoromethane	28.6	0.50	ug/l	25.0	ND	114	74-150	8	20	
1,2,3-Trichloropropane	21.0	1.0	ug/l	25.0	ND	84	70-130	2	20	
1,2,4-Trimethylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	0.6	20	
1,3,5-Trimethylbenzene	26.8	0.50	ug/l	25.0	ND	107	61-138	6	33	
Vinyl Acetate	21.4	1.0	ug/l	25.0	ND	85	50-150	14	23	
Vinyl chloride	27.0	0.50	ug/l	25.0	ND	108	58-139	9	21	
Xylenes, Total	53.0	1.5	ug/l	50.0	ND	106	70-130	4	20	
Surrogate: Dibromofluoromethane	24.0		ug/l	25.0		96	70-130			
Surrogate: Toluene-d8	25.7		ug/l	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		ug/l	25.0		104	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11									
Blank Analyzed: 06/29/2011 (11F1075-BLK1)									
Acetone	ND	10	ug/l						
Benzene	ND	0.50	ug/l						
Bromobenzene	ND	0.50	ug/l						
Bromochloromethane	ND	0.50	ug/l						
Bromodichloromethane	ND	0.50	ug/l						
Bromoform	ND	1.0	ug/l						
Bromomethane	ND	1.0	ug/l						
2-Butanone (MEK)	ND	2.5	ug/l						
n-Butylbenzene	ND	0.50	ug/l						
sec-Butylbenzene	ND	0.50	ug/l						
tert-Butylbenzene	ND	0.50	ug/l						
Carbon disulfide	ND	0.50	ug/l						
Carbon tetrachloride	ND	0.50	ug/l						
Chlorobenzene	ND	0.50	ug/l						
Chloroethane	ND	1.0	ug/l						
Chloroform	ND	0.50	ug/l						
Chloromethane	ND	1.0	ug/l						
2-Chlorotoluene	ND	0.50	ug/l						
4-Chlorotoluene	ND	0.50	ug/l						
Dibromochloromethane	ND	0.50	ug/l						
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l						
1,2-Dibromoethane (EDB)	ND	0.50	ug/l						
Dibromomethane	ND	0.50	ug/l						
1,2-Dichlorobenzene	ND	0.50	ug/l						
1,3-Dichlorobenzene	ND	0.50	ug/l						
1,4-Dichlorobenzene	ND	0.50	ug/l						
Dichlorodifluoromethane	ND	0.50	ug/l						
1,1-Dichloroethane	ND	0.50	ug/l						
1,2-Dichloroethane	ND	0.50	ug/l						
1,1-Dichloroethene	ND	0.50	ug/l						
cis-1,2-Dichloroethene	ND	0.50	ug/l						
trans-1,2-Dichloroethene	ND	0.50	ug/l						
1,2-Dichloropropane	ND	0.50	ug/l						
1,3-Dichloropropane	ND	0.50	ug/l						
2,2-Dichloropropane	ND	1.0	ug/l						

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
Blank Analyzed: 06/29/2011 (11F1075-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Surrogate: Dibromofluoromethane	26.5		ug/l	25.0		106	70-130			
Surrogate: Toluene-d8	25.4		ug/l	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		ug/l	25.0		98	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
LCS Analyzed: 06/29/2011 (11F1075-BS1)										
Acetone	27.5	10	ug/l	25.0		110	30-150			
Benzene	22.9	0.50	ug/l	25.0		92	70-130			
Bromobenzene	24.5	0.50	ug/l	25.0		98	70-130			
Bromochloromethane	22.8	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	23.8	0.50	ug/l	25.0		95	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	19.0	1.0	ug/l	25.0		76	64-132			
2-Butanone (MEK)	27.2	2.5	ug/l	25.0		109	48-150			
n-Butylbenzene	26.5	0.50	ug/l	25.0		106	70-130			
sec-Butylbenzene	26.4	0.50	ug/l	25.0		106	70-130			
tert-Butylbenzene	25.8	0.50	ug/l	25.0		103	70-130			
Carbon disulfide	28.3	0.50	ug/l	25.0		113	61-126			
Carbon tetrachloride	23.8	0.50	ug/l	25.0		95	70-130			
Chlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
Chloroethane	21.8	1.0	ug/l	25.0		87	69-128			
Chloroform	22.9	0.50	ug/l	25.0		92	70-130			
Chloromethane	24.7	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	25.1	0.50	ug/l	25.0		101	70-130			
4-Chlorotoluene	25.8	0.50	ug/l	25.0		103	70-130			
Dibromochloromethane	24.4	0.50	ug/l	25.0		98	70-130			
1,2-Dibromo-3-chloropropane	24.4	2.5	ug/l	25.0		97	63-129			
1,2-Dibromoethane (EDB)	23.6	0.50	ug/l	25.0		94	70-130			
Dibromomethane	22.2	0.50	ug/l	25.0		89	70-130			
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0		102	70-130			
1,3-Dichlorobenzene	25.2	0.50	ug/l	25.0		101	70-130			
1,4-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	70-130			
Dichlorodifluoromethane	24.2	0.50	ug/l	25.0		97	42-150			
1,1-Dichloroethane	23.1	0.50	ug/l	25.0		93	70-130			
1,2-Dichloroethane	24.2	0.50	ug/l	25.0		97	72-133			
1,1-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130			
cis-1,2-Dichloroethene	22.0	0.50	ug/l	25.0		88	70-130			
trans-1,2-Dichloroethene	23.1	0.50	ug/l	25.0		92	70-130			
1,2-Dichloropropane	23.0	0.50	ug/l	25.0		92	70-130			
1,3-Dichloropropane	23.6	0.50	ug/l	25.0		94	70-130			
2,2-Dichloropropane	23.2	1.0	ug/l	25.0		93	70-130			

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
LCS Analyzed: 06/29/2011 (11F1075-BS1)										
1,1-Dichloropropene	22.9	0.50	ug/l	25.0		92	70-130			
cis-1,3-Dichloropropene	24.1	0.50	ug/l	25.0		97	70-130			
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0		96	70-130			
Ethylbenzene	25.5	0.50	ug/l	25.0		102	70-130			
Hexachlorobutadiene	24.5	1.0	ug/l	25.0		98	70-130			
2-Hexanone	30.5	2.5	ug/l	25.0		122	44-150			
Iodomethane	27.3	2.5	ug/l	25.0		109	58-138			
Isopropylbenzene	27.4	0.50	ug/l	25.0		110	70-130			
p-Isopropyltoluene	26.1	0.50	ug/l	25.0		105	70-130			
Methylene Chloride	22.3	1.0	ug/l	25.0		89	70-130			
4-Methyl-2-pentanone (MIBK)	25.3	2.5	ug/l	25.0		101	61-142			
Methyl-tert-butyl Ether (MTBE)	22.8	0.50	ug/l	25.0		91	70-130			
Naphthalene	25.6	2.5	ug/l	25.0		103	65-129			
n-Propylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
Styrene	23.8	0.50	ug/l	25.0		95	70-130			
1,1,1,2-Tetrachloroethane	23.6	0.50	ug/l	25.0		94	70-130			
1,1,2,2-Tetrachloroethane	24.6	0.50	ug/l	25.0		98	70-130			
Tetrachloroethene	24.1	0.50	ug/l	25.0		96	70-130			
Toluene	23.6	0.50	ug/l	25.0		95	70-130			
1,2,3-Trichlorobenzene	25.7	1.0	ug/l	25.0		103	70-130			
1,2,4-Trichlorobenzene	25.3	1.0	ug/l	25.0		101	70-130			
1,1,1-Trichloroethane	23.9	0.50	ug/l	25.0		96	70-130			
1,1,2-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130			
Trichloroethene	23.4	0.50	ug/l	25.0		94	70-130			
Trichlorofluoromethane	25.2	0.50	ug/l	25.0		101	78-149			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0		99	70-130			
1,2,4-Trimethylbenzene	26.3	0.50	ug/l	25.0		105	70-130			
1,3,5-Trimethylbenzene	26.4	0.50	ug/l	25.0		106	70-130			
Vinyl Acetate	21.2	1.0	ug/l	25.0		85	57-149			
Vinyl chloride	22.3	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	49.7	1.5	ug/l	50.0		99	70-130			
Surrogate: Dibromofluoromethane	25.1		ug/l	25.0		100	70-130			
Surrogate: Toluene-d8	25.1		ug/l	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		ug/l	25.0		97	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
LCS Dup Analyzed: 06/29/2011 (11F1075-BSD1)										
Acetone	26.0	10	ug/l	25.0		104	30-150	6	35	
Benzene	23.8	0.50	ug/l	25.0		95	70-130	4	20	
Bromobenzene	26.0	0.50	ug/l	25.0		104	70-130	6	20	
Bromochloromethane	24.9	0.50	ug/l	25.0		99	70-130	9	20	
Bromodichloromethane	24.5	0.50	ug/l	25.0		98	70-130	3	20	
Bromoform	23.5	1.0	ug/l	25.0		94	67-122	4	20	
Bromomethane	23.5	1.0	ug/l	25.0		94	64-132	21	20	R6
2-Butanone (MEK)	26.9	2.5	ug/l	25.0		108	48-150	1	33	
n-Butylbenzene	28.0	0.50	ug/l	25.0		112	70-130	5	20	
sec-Butylbenzene	27.9	0.50	ug/l	25.0		112	70-130	5	20	
tert-Butylbenzene	26.9	0.50	ug/l	25.0		108	70-130	4	20	
Carbon disulfide	29.6	0.50	ug/l	25.0		118	61-126	4	20	
Carbon tetrachloride	25.4	0.50	ug/l	25.0		102	70-130	6	20	
Chlorobenzene	25.5	0.50	ug/l	25.0		102	70-130	5	20	
Chloroethane	23.8	1.0	ug/l	25.0		95	69-128	9	20	
Chloroform	24.6	0.50	ug/l	25.0		99	70-130	7	20	
Chloromethane	25.2	1.0	ug/l	25.0		101	56-131	2	20	
2-Chlorotoluene	26.3	0.50	ug/l	25.0		105	70-130	5	20	
4-Chlorotoluene	26.7	0.50	ug/l	25.0		107	70-130	3	20	
Dibromochloromethane	26.1	0.50	ug/l	25.0		104	70-130	7	20	
1,2-Dibromo-3-chloropropane	26.8	2.5	ug/l	25.0		107	63-129	9	25	
1,2-Dibromoethane (EDB)	25.3	0.50	ug/l	25.0		101	70-130	7	20	
Dibromomethane	22.9	0.50	ug/l	25.0		92	70-130	3	20	
1,2-Dichlorobenzene	26.1	0.50	ug/l	25.0		104	70-130	3	20	
1,3-Dichlorobenzene	26.1	0.50	ug/l	25.0		104	70-130	3	20	
1,4-Dichlorobenzene	26.2	0.50	ug/l	25.0		105	70-130	5	20	
Dichlorodifluoromethane	26.2	0.50	ug/l	25.0		105	42-150	8	20	
1,1-Dichloroethane	24.4	0.50	ug/l	25.0		98	70-130	5	20	
1,2-Dichloroethane	25.2	0.50	ug/l	25.0		101	72-133	4	20	
1,1-Dichloroethene	24.7	0.50	ug/l	25.0		99	70-130	7	20	
cis-1,2-Dichloroethene	23.4	0.50	ug/l	25.0		94	70-130	6	20	
trans-1,2-Dichloroethene	24.4	0.50	ug/l	25.0		97	70-130	5	20	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	70-130	2	20	
1,3-Dichloropropane	25.0	0.50	ug/l	25.0		100	70-130	6	20	
2,2-Dichloropropane	23.6	1.0	ug/l	25.0		94	70-130	2	20	

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
LCS Dup Analyzed: 06/29/2011 (11F1075-BSD1)										
1,1-Dichloropropene	23.7	0.50	ug/l	25.0		95	70-130	3	20	
cis-1,3-Dichloropropene	24.8	0.50	ug/l	25.0		99	70-130	3	20	
trans-1,3-Dichloropropene	24.9	0.50	ug/l	25.0		100	70-130	4	20	
Ethylbenzene	26.1	0.50	ug/l	25.0		104	70-130	2	20	
Hexachlorobutadiene	25.7	1.0	ug/l	25.0		103	70-130	5	20	
2-Hexanone	28.9	2.5	ug/l	25.0		116	44-150	5	31	
Iodomethane	30.3	2.5	ug/l	25.0		121	58-138	10	25	
Isopropylbenzene	28.2	0.50	ug/l	25.0		113	70-130	3	20	
p-Isopropyltoluene	27.5	0.50	ug/l	25.0		110	70-130	5	20	
Methylene Chloride	23.8	1.0	ug/l	25.0		95	70-130	6	20	
4-Methyl-2-pentanone (MIBK)	27.7	2.5	ug/l	25.0		111	61-142	9	22	
Methyl-tert-butyl Ether (MTBE)	24.7	0.50	ug/l	25.0		99	70-130	8	20	
Naphthalene	27.8	2.5	ug/l	25.0		111	65-129	8	20	
n-Propylbenzene	27.8	0.50	ug/l	25.0		111	70-130	4	20	
Styrene	24.5	0.50	ug/l	25.0		98	70-130	3	20	
1,1,1,2-Tetrachloroethane	24.4	0.50	ug/l	25.0		98	70-130	3	20	
1,1,2,2-Tetrachloroethane	25.7	0.50	ug/l	25.0		103	70-130	4	20	
Tetrachloroethene	25.4	0.50	ug/l	25.0		102	70-130	5	20	
Toluene	24.6	0.50	ug/l	25.0		98	70-130	4	20	
1,2,3-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130	6	20	
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130	8	20	
1,1,1-Trichloroethane	25.2	0.50	ug/l	25.0		101	70-130	5	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		96	70-130	6	20	
Trichloroethene	24.0	0.50	ug/l	25.0		96	70-130	2	20	
Trichlorofluoromethane	27.0	0.50	ug/l	25.0		108	78-149	7	20	
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0		104	70-130	5	20	
1,2,4-Trimethylbenzene	27.4	0.50	ug/l	25.0		110	70-130	4	20	
1,3,5-Trimethylbenzene	27.4	0.50	ug/l	25.0		110	70-130	4	20	
Vinyl Acetate	23.5	1.0	ug/l	25.0		94	57-149	11	21	
Vinyl chloride	24.0	0.50	ug/l	25.0		96	66-134	8	20	
Xylenes, Total	51.0	1.5	ug/l	50.0		102	70-130	3	20	
Surrogate: Dibromofluoromethane	25.5		ug/l	25.0		102	70-130			
Surrogate: Toluene-d8	25.0		ug/l	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		ug/l	25.0		98	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
Matrix Spike Analyzed: 06/29/2011 (11F1075-MS1)					Source: PUF1584-03					
Acetone	13.1	10	ug/l	25.0	ND	52	10-150			
Benzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
Bromobenzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
Bromochloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Bromodichloromethane	23.8	0.50	ug/l	25.0	ND	95	70-130			
Bromoform	21.8	1.0	ug/l	25.0	ND	87	62-126			
Bromomethane	20.4	1.0	ug/l	25.0	ND	81	55-136			
2-Butanone (MEK)	18.4	2.5	ug/l	25.0	ND	74	22-150			
n-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130			
sec-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130			
tert-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130			
Carbon disulfide	30.4	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	25.5	0.50	ug/l	25.0	ND	102	76-131			
Chlorobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134			
Chloroform	23.4	0.50	ug/l	25.0	0.230	93	70-130			
Chloromethane	24.7	1.0	ug/l	25.0	ND	99	50-135			
2-Chlorotoluene	25.8	0.50	ug/l	25.0	ND	103	70-130			
4-Chlorotoluene	26.1	0.50	ug/l	25.0	ND	104	70-130			
Dibromochloromethane	24.0	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dibromo-3-chloropropane	23.3	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.6	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
1,3-Dichlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
1,4-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	70-130			
Dichlorodifluoromethane	26.4	0.50	ug/l	25.0	ND	106	36-150			
1,1-Dichloroethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	91	68-143			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0	0.680	99	70-130			
cis-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130			
trans-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	94	70-130			
1,2-Dichloropropane	22.2	0.50	ug/l	25.0	ND	89	70-130			
1,3-Dichloropropane	23.1	0.50	ug/l	25.0	ND	92	70-130			
2,2-Dichloropropane	25.1	1.0	ug/l	25.0	ND	100	66-130			

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
Matrix Spike Analyzed: 06/29/2011 (11F1075-MS1)					Source: PUF1584-03					
1,1-Dichloropropene	23.4	0.50	ug/l	25.0	ND	94	70-130			
cis-1,3-Dichloropropene	24.3	0.50	ug/l	25.0	ND	97	70-130			
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	95	71-132			
Ethylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Hexachlorobutadiene	23.4	1.0	ug/l	25.0	ND	93	66-129			
2-Hexanone	22.4	2.5	ug/l	25.0	ND	90	18-150			
Iodomethane	28.6	2.5	ug/l	25.0	ND	115	47-141			
Isopropylbenzene	28.2	0.50	ug/l	25.0	ND	113	78-137			
p-Isopropyltoluene	26.5	0.50	ug/l	25.0	ND	106	70-130			
Methylene Chloride	21.8	1.0	ug/l	25.0	ND	87	74-132			
4-Methyl-2-pentanone (MIBK)	24.8	2.5	ug/l	25.0	ND	99	56-145			
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138			
Naphthalene	25.2	2.5	ug/l	25.0	ND	101	54-135			
n-Propylbenzene	27.4	0.50	ug/l	25.0	ND	110	70-130			
Styrene	23.4	0.50	ug/l	25.0	ND	94	51-123			
1,1,1,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,1,2,2-Tetrachloroethane	24.0	0.50	ug/l	25.0	ND	96	69-133			
Tetrachloroethene	28.9	0.50	ug/l	25.0	3.48	102	70-130			
Toluene	24.5	0.50	ug/l	25.0	ND	98	70-130			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0	ND	98	70-130			
1,2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0	ND	100	66-126			
1,1,1-Trichloroethane	24.6	0.50	ug/l	25.0	ND	98	76-132			
1,1,2-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
Trichloroethene	24.7	0.50	ug/l	25.0	0.580	97	70-130			
Trichlorofluoromethane	26.7	0.50	ug/l	25.0	ND	107	74-150			
1,2,3-Trichloropropane	22.7	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130			
1,3,5-Trimethylbenzene	26.5	0.50	ug/l	25.0	ND	106	61-138			
Vinyl Acetate	22.6	1.0	ug/l	25.0	ND	90	50-150			
Vinyl chloride	24.5	0.50	ug/l	25.0	ND	98	58-139			
Xylenes, Total	49.8	1.5	ug/l	50.0	ND	100	70-130			
Surrogate: Dibromofluoromethane	25.1		ug/l	25.0		100	70-130			
Surrogate: Toluene-d8	25.9		ug/l	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		ug/l	25.0		97	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
Matrix Spike Dup Analyzed: 06/29/2011 (11F1075-MSD1)					Source: PUF1584-03					
Acetone	14.4	10	ug/l	25.0	ND	57	10-150	9	35	
Benzene	24.2	0.50	ug/l	25.0	ND	97	70-130	1	20	
Bromobenzene	25.4	0.50	ug/l	25.0	ND	102	70-130	2	20	
Bromochloromethane	23.1	0.50	ug/l	25.0	ND	92	70-130	1	20	
Bromodichloromethane	24.4	0.50	ug/l	25.0	ND	98	70-130	3	20	
Bromoform	23.1	1.0	ug/l	25.0	ND	92	62-126	6	20	
Bromomethane	23.0	1.0	ug/l	25.0	ND	92	55-136	12	24	
2-Butanone (MEK)	21.4	2.5	ug/l	25.0	ND	85	22-150	15	31	
n-Butylbenzene	27.0	0.50	ug/l	25.0	ND	108	70-130	2	20	
sec-Butylbenzene	27.0	0.50	ug/l	25.0	ND	108	70-130	2	20	
tert-Butylbenzene	26.1	0.50	ug/l	25.0	ND	105	70-130	1	20	
Carbon disulfide	29.9	0.50	ug/l	25.0	ND	119	56-132	2	20	
Carbon tetrachloride	25.7	0.50	ug/l	25.0	ND	103	76-131	0.7	20	
Chlorobenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	1	20	
Chloroethane	23.4	1.0	ug/l	25.0	ND	94	67-134	0.6	20	
Chloroform	23.6	0.50	ug/l	25.0	0.230	94	70-130	1	20	
Chloromethane	24.0	1.0	ug/l	25.0	ND	96	50-135	3	20	
2-Chlorotoluene	26.0	0.50	ug/l	25.0	ND	104	70-130	0.7	20	
4-Chlorotoluene	26.6	0.50	ug/l	25.0	ND	107	70-130	2	20	
Dibromochloromethane	24.8	0.50	ug/l	25.0	ND	99	70-130	3	20	
1,2-Dibromo-3-chloropropane	25.8	2.5	ug/l	25.0	ND	103	60-135	10	29	
1,2-Dibromoethane (EDB)	24.1	0.50	ug/l	25.0	ND	96	70-130	2	20	
Dibromomethane	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,2-Dichlorobenzene	25.6	0.50	ug/l	25.0	ND	103	70-130	4	20	
1,3-Dichlorobenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	4	20	
1,4-Dichlorobenzene	26.1	0.50	ug/l	25.0	ND	104	70-130	3	20	
Dichlorodifluoromethane	26.6	0.50	ug/l	25.0	ND	106	36-150	0.7	22	
1,1-Dichloroethane	23.5	0.50	ug/l	25.0	ND	94	70-130	1	20	
1,2-Dichloroethane	24.1	0.50	ug/l	25.0	ND	96	68-143	5	20	
1,1-Dichloroethene	24.9	0.50	ug/l	25.0	0.680	97	70-130	2	20	
cis-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
trans-1,2-Dichloroethene	24.2	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,2-Dichloropropane	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	ND	94	70-130	2	20	
2,2-Dichloropropane	25.0	1.0	ug/l	25.0	ND	100	66-130	0.2	20	

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1075 Extracted: 06/29/11										
Matrix Spike Dup Analyzed: 06/29/2011 (11F1075-MSD1)					Source: PUF1584-03					
1,1-Dichloropropene	24.4	0.50	ug/l	25.0	ND	98	70-130	4	20	
cis-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	70-130	1	20	
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132	4	20	
Ethylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130	0.04	20	
Hexachlorobutadiene	24.6	1.0	ug/l	25.0	ND	98	66-129	5	21	
2-Hexanone	23.4	2.5	ug/l	25.0	ND	93	18-150	4	25	
Iodomethane	28.5	2.5	ug/l	25.0	ND	114	47-141	0.4	29	
Isopropylbenzene	28.3	0.50	ug/l	25.0	ND	113	78-137	0.5	20	
p-Isopropyltoluene	27.2	0.50	ug/l	25.0	ND	109	70-130	3	20	
Methylene Chloride	22.4	1.0	ug/l	25.0	ND	90	74-132	3	20	
4-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0	ND	105	56-145	6	26	
Methyl-tert-butyl Ether (MTBE)	23.4	0.50	ug/l	25.0	ND	93	67-138	7	21	
Naphthalene	26.9	2.5	ug/l	25.0	ND	108	54-135	7	33	
n-Propylbenzene	27.7	0.50	ug/l	25.0	ND	111	70-130	1	20	
Styrene	23.4	0.50	ug/l	25.0	ND	94	51-123	0.3	21	
1,1,1,2-Tetrachloroethane	23.1	0.50	ug/l	25.0	ND	92	70-130	1	20	
1,1,2,2-Tetrachloroethane	26.0	0.50	ug/l	25.0	ND	104	69-133	8	20	
Tetrachloroethene	28.2	0.50	ug/l	25.0	3.48	99	70-130	3	20	
Toluene	24.0	0.50	ug/l	25.0	ND	96	70-130	2	20	
1,2,3-Trichlorobenzene	26.5	1.0	ug/l	25.0	ND	106	70-130	8	20	
1,2,4-Trichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	66-126	5	20	
1,1,1-Trichloroethane	24.6	0.50	ug/l	25.0	ND	98	76-132	0.2	20	
1,1,2-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	70-130	2	20	
Trichloroethene	24.6	0.50	ug/l	25.0	0.580	96	70-130	0.3	20	
Trichlorofluoromethane	26.8	0.50	ug/l	25.0	ND	107	74-150	0.2	20	
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130	9	20	
1,2,4-Trimethylbenzene	26.4	0.50	ug/l	25.0	ND	106	70-130	0.3	20	
1,3,5-Trimethylbenzene	26.8	0.50	ug/l	25.0	ND	107	61-138	1	33	
Vinyl Acetate	23.9	1.0	ug/l	25.0	ND	96	50-150	6	23	
Vinyl chloride	25.0	0.50	ug/l	25.0	ND	100	58-139	2	21	
Xylenes, Total	49.6	1.5	ug/l	50.0	ND	99	70-130	0.4	20	
Surrogate: Dibromofluoromethane	25.7		ug/l	25.0		103	70-130			
Surrogate: Toluene-d8	25.5		ug/l	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.0		ug/l	25.0		96	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F1112-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F1112-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Surrogate: Dibromofluoromethane	28.3		ug/l	25.0		113	70-130			
Surrogate: Toluene-d8	25.3		ug/l	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Analyzed: 06/30/2011 (11F1112-BS1)										
Acetone	18.6	10	ug/l	25.0		74	30-150			
Benzene	25.0	0.50	ug/l	25.0		100	70-130			
Bromobenzene	26.5	0.50	ug/l	25.0		106	70-130			
Bromochloromethane	25.2	0.50	ug/l	25.0		101	70-130			
Bromodichloromethane	27.2	0.50	ug/l	25.0		109	70-130			
Bromoform	24.0	1.0	ug/l	25.0		96	67-122			
Bromomethane	25.9	1.0	ug/l	25.0		104	64-132			
2-Butanone (MEK)	22.3	2.5	ug/l	25.0		89	48-150			
n-Butylbenzene	29.8	0.50	ug/l	25.0		119	70-130			
sec-Butylbenzene	29.0	0.50	ug/l	25.0		116	70-130			
tert-Butylbenzene	28.5	0.50	ug/l	25.0		114	70-130			
Carbon disulfide	29.2	0.50	ug/l	25.0		117	61-126			
Carbon tetrachloride	29.1	0.50	ug/l	25.0		116	70-130			
Chlorobenzene	26.5	0.50	ug/l	25.0		106	70-130			
Chloroethane	24.5	1.0	ug/l	25.0		98	69-128			
Chloroform	27.6	0.50	ug/l	25.0		111	70-130			
Chloromethane	30.4	1.0	ug/l	25.0		122	56-131			
2-Chlorotoluene	28.7	0.50	ug/l	25.0		115	70-130			
4-Chlorotoluene	29.4	0.50	ug/l	25.0		118	70-130			
Dibromochloromethane	27.1	0.50	ug/l	25.0		108	70-130			
1,2-Dibromo-3-chloropropane	28.3	2.5	ug/l	25.0		113	63-129			
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0		104	70-130			
Dibromomethane	25.3	0.50	ug/l	25.0		101	70-130			
1,2-Dichlorobenzene	27.8	0.50	ug/l	25.0		111	70-130			
1,3-Dichlorobenzene	27.9	0.50	ug/l	25.0		112	70-130			
1,4-Dichlorobenzene	27.9	0.50	ug/l	25.0		112	70-130			
Dichlorodifluoromethane	28.4	0.50	ug/l	25.0		114	42-150			
1,1-Dichloroethane	25.9	0.50	ug/l	25.0		104	70-130			
1,2-Dichloroethane	30.4	0.50	ug/l	25.0		121	72-133			
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130			
cis-1,2-Dichloroethene	24.1	0.50	ug/l	25.0		96	70-130			
trans-1,2-Dichloroethene	24.0	0.50	ug/l	25.0		96	70-130			
1,2-Dichloropropane	24.3	0.50	ug/l	25.0		97	70-130			
1,3-Dichloropropane	24.7	0.50	ug/l	25.0		99	70-130			
2,2-Dichloropropane	27.7	1.0	ug/l	25.0		111	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Analyzed: 06/30/2011 (11F1112-BS1)										
1,1-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,3-Dichloropropene	26.3	0.50	ug/l	25.0		105	70-130			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0		111	70-130			
Ethylbenzene	27.4	0.50	ug/l	25.0		110	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130			
2-Hexanone	26.0	2.5	ug/l	25.0		104	44-150			
Iodomethane	30.4	2.5	ug/l	25.0		122	58-138			
Isopropylbenzene	29.6	0.50	ug/l	25.0		119	70-130			
p-Isopropyltoluene	29.4	0.50	ug/l	25.0		118	70-130			
Methylene Chloride	24.0	1.0	ug/l	25.0		96	70-130			
4-Methyl-2-pentanone (MIBK)	29.3	2.5	ug/l	25.0		117	61-142			
Methyl-tert-butyl Ether (MTBE)	26.2	0.50	ug/l	25.0		105	70-130			
Naphthalene	28.6	2.5	ug/l	25.0		115	65-129			
n-Propylbenzene	29.1	0.50	ug/l	25.0		117	70-130			
Styrene	25.5	0.50	ug/l	25.0		102	70-130			
1,1,1,2-Tetrachloroethane	25.8	0.50	ug/l	25.0		103	70-130			
1,1,2,2-Tetrachloroethane	25.6	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	25.6	0.50	ug/l	25.0		102	70-130			
Toluene	25.4	0.50	ug/l	25.0		102	70-130			
1,2,3-Trichlorobenzene	29.4	1.0	ug/l	25.0		117	70-130			
1,2,4-Trichlorobenzene	29.2	1.0	ug/l	25.0		117	70-130			
1,1,1-Trichloroethane	28.9	0.50	ug/l	25.0		115	70-130			
1,1,2-Trichloroethane	24.6	0.50	ug/l	25.0		98	70-130			
Trichloroethene	25.9	0.50	ug/l	25.0		104	70-130			
Trichlorofluoromethane	30.7	0.50	ug/l	25.0		123	78-149			
1,2,3-Trichloropropane	27.6	1.0	ug/l	25.0		111	70-130			
1,2,4-Trimethylbenzene	30.1	0.50	ug/l	25.0		120	70-130			
1,3,5-Trimethylbenzene	30.0	0.50	ug/l	25.0		120	70-130			
Vinyl Acetate	24.8	1.0	ug/l	25.0		99	57-149			
Vinyl chloride	26.9	0.50	ug/l	25.0		108	66-134			
Xylenes, Total	52.5	1.5	ug/l	50.0		105	70-130			
Surrogate: Dibromofluoromethane	26.9		ug/l	25.0		108	70-130			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		ug/l	25.0		106	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Dup Analyzed: 06/30/2011 (11F1112-BSD1)										
Acetone	17.8	10	ug/l	25.0		71	30-150	4	35	
Benzene	25.0	0.50	ug/l	25.0		100	70-130	0.1	20	
Bromobenzene	27.2	0.50	ug/l	25.0		109	70-130	2	20	
Bromochloromethane	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Bromodichloromethane	26.9	0.50	ug/l	25.0		107	70-130	1	20	
Bromoform	23.8	1.0	ug/l	25.0		95	67-122	0.9	20	
Bromomethane	26.4	1.0	ug/l	25.0		105	64-132	2	20	
2-Butanone (MEK)	21.8	2.5	ug/l	25.0		87	48-150	2	33	
n-Butylbenzene	29.1	0.50	ug/l	25.0		116	70-130	2	20	
sec-Butylbenzene	28.5	0.50	ug/l	25.0		114	70-130	1	20	
tert-Butylbenzene	28.1	0.50	ug/l	25.0		113	70-130	1	20	
Carbon disulfide	29.7	0.50	ug/l	25.0		119	61-126	2	20	
Carbon tetrachloride	28.6	0.50	ug/l	25.0		114	70-130	2	20	
Chlorobenzene	25.9	0.50	ug/l	25.0		104	70-130	2	20	
Chloroethane	23.8	1.0	ug/l	25.0		95	69-128	3	20	
Chloroform	26.7	0.50	ug/l	25.0		107	70-130	4	20	
Chloromethane	29.0	1.0	ug/l	25.0		116	56-131	5	20	
2-Chlorotoluene	27.9	0.50	ug/l	25.0		112	70-130	3	20	
4-Chlorotoluene	29.1	0.50	ug/l	25.0		117	70-130	0.9	20	
Dibromochloromethane	25.9	0.50	ug/l	25.0		104	70-130	4	20	
1,2-Dibromo-3-chloropropane	28.1	2.5	ug/l	25.0		112	63-129	0.8	25	
1,2-Dibromoethane (EDB)	24.6	0.50	ug/l	25.0		99	70-130	5	20	
Dibromomethane	24.6	0.50	ug/l	25.0		98	70-130	3	20	
1,2-Dichlorobenzene	27.2	0.50	ug/l	25.0		109	70-130	2	20	
1,3-Dichlorobenzene	27.7	0.50	ug/l	25.0		111	70-130	0.6	20	
1,4-Dichlorobenzene	27.3	0.50	ug/l	25.0		109	70-130	2	20	
Dichlorodifluoromethane	27.2	0.50	ug/l	25.0		109	42-150	4	20	
1,1-Dichloroethane	26.2	0.50	ug/l	25.0		105	70-130	1	20	
1,2-Dichloroethane	28.4	0.50	ug/l	25.0		114	72-133	7	20	
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130	3	20	
cis-1,2-Dichloroethene	24.2	0.50	ug/l	25.0		97	70-130	0.4	20	
trans-1,2-Dichloroethene	25.0	0.50	ug/l	25.0		100	70-130	4	20	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130	1	20	
1,3-Dichloropropane	24.3	0.50	ug/l	25.0		97	70-130	2	20	
2,2-Dichloropropane	26.4	1.0	ug/l	25.0		105	70-130	5	20	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Dup Analyzed: 06/30/2011 (11F1112-BSD1)										
1,1-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
cis-1,3-Dichloropropene	26.3	0.50	ug/l	25.0		105	70-130	0.2	20	
trans-1,3-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130	6	20	
Ethylbenzene	27.1	0.50	ug/l	25.0		109	70-130	1	20	
Hexachlorobutadiene	28.1	1.0	ug/l	25.0		112	70-130	0.04	20	
2-Hexanone	24.4	2.5	ug/l	25.0		98	44-150	6	31	
Iodomethane	30.8	2.5	ug/l	25.0		123	58-138	1	25	
Isopropylbenzene	30.0	0.50	ug/l	25.0		120	70-130	1	20	
p-Isopropyltoluene	28.7	0.50	ug/l	25.0		115	70-130	2	20	
Methylene Chloride	24.3	1.0	ug/l	25.0		97	70-130	1	20	
4-Methyl-2-pentanone (MIBK)	27.9	2.5	ug/l	25.0		111	61-142	5	22	
Methyl-tert-butyl Ether (MTBE)	25.7	0.50	ug/l	25.0		103	70-130	2	20	
Naphthalene	28.4	2.5	ug/l	25.0		114	65-129	0.9	20	
n-Propylbenzene	29.1	0.50	ug/l	25.0		116	70-130	0.2	20	
Styrene	25.0	0.50	ug/l	25.0		100	70-130	2	20	
1,1,1,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	70-130	4	20	
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130	0.5	20	
Tetrachloroethene	25.5	0.50	ug/l	25.0		102	70-130	0.3	20	
Toluene	25.3	0.50	ug/l	25.0		101	70-130	0.6	20	
1,2,3-Trichlorobenzene	28.8	1.0	ug/l	25.0		115	70-130	2	20	
1,2,4-Trichlorobenzene	28.7	1.0	ug/l	25.0		115	70-130	2	20	
1,1,1-Trichloroethane	27.9	0.50	ug/l	25.0		112	70-130	3	20	
1,1,2-Trichloroethane	24.6	0.50	ug/l	25.0		99	70-130	0.3	20	
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130	1	20	
Trichlorofluoromethane	30.3	0.50	ug/l	25.0		121	78-149	1	20	
1,2,3-Trichloropropane	26.7	1.0	ug/l	25.0		107	70-130	4	20	
1,2,4-Trimethylbenzene	29.0	0.50	ug/l	25.0		116	70-130	4	20	
1,3,5-Trimethylbenzene	29.1	0.50	ug/l	25.0		116	70-130	3	20	
Vinyl Acetate	24.1	1.0	ug/l	25.0		96	57-149	3	21	
Vinyl chloride	26.5	0.50	ug/l	25.0		106	66-134	2	20	
Xylenes, Total	50.6	1.5	ug/l	50.0		101	70-130	4	20	
Surrogate: Dibromofluoromethane	27.0		ug/l	25.0		108	70-130			
Surrogate: Toluene-d8	26.0		ug/l	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		ug/l	25.0		100	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Analyzed: 06/30/2011 (11F1112-MS1)					Source: PUF1584-11					
Acetone	11.8	10	ug/l	25.0	ND	47	10-150			
Benzene	19.6	0.50	ug/l	25.0	ND	78	70-130			
Bromobenzene	20.0	0.50	ug/l	25.0	ND	80	70-130			
Bromochloromethane	19.0	0.50	ug/l	25.0	ND	76	70-130			
Bromodichloromethane	20.9	0.50	ug/l	25.0	1.66	77	70-130			
Bromoform	17.0	1.0	ug/l	25.0	0.370	66	62-126			
Bromomethane	21.7	1.0	ug/l	25.0	ND	87	55-136			
2-Butanone (MEK)	15.9	2.5	ug/l	25.0	ND	63	22-150			
n-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
sec-Butylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
tert-Butylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Carbon disulfide	25.7	0.50	ug/l	25.0	ND	103	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	91	76-131			
Chlorobenzene	20.1	0.50	ug/l	25.0	ND	80	70-130			
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	24.0	0.50	ug/l	25.0	3.04	84	70-130			
Chloromethane	23.9	1.0	ug/l	25.0	ND	96	50-135			
2-Chlorotoluene	21.1	0.50	ug/l	25.0	ND	84	70-130			
4-Chlorotoluene	21.4	0.50	ug/l	25.0	ND	86	70-130			
Dibromochloromethane	19.7	0.50	ug/l	25.0	0.700	76	70-130			
1,2-Dibromo-3-chloropropane	18.2	2.5	ug/l	25.0	ND	73	60-135			
1,2-Dibromoethane (EDB)	18.2	0.50	ug/l	25.0	ND	73	70-130			
Dibromomethane	17.8	0.50	ug/l	25.0	ND	71	70-130			
1,2-Dichlorobenzene	20.3	0.50	ug/l	25.0	ND	81	70-130			
1,3-Dichlorobenzene	20.5	0.50	ug/l	25.0	ND	82	70-130			
1,4-Dichlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150			
1,1-Dichloroethane	21.1	0.50	ug/l	25.0	0.210	83	70-130			
1,2-Dichloroethane	21.2	0.50	ug/l	25.0	ND	85	68-143			
1,1-Dichloroethene	21.6	0.50	ug/l	25.0	0.490	84	70-130			
cis-1,2-Dichloroethene	19.1	0.50	ug/l	25.0	0.740	73	70-130			
trans-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130			
1,2-Dichloropropane	18.1	0.50	ug/l	25.0	ND	72	70-130			
1,3-Dichloropropane	17.7	0.50	ug/l	25.0	ND	71	70-130			
2,2-Dichloropropane	22.9	1.0	ug/l	25.0	ND	91	66-130			

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Analyzed: 06/30/2011 (11F1112-MS1)					Source: PUF1584-11					
1,1-Dichloropropene	20.4	0.50	ug/l	25.0	ND	82	70-130			
cis-1,3-Dichloropropene	19.5	0.50	ug/l	25.0	ND	78	70-130			
trans-1,3-Dichloropropene	19.0	0.50	ug/l	25.0	ND	76	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	20.4	1.0	ug/l	25.0	ND	82	66-129			
2-Hexanone	16.5	2.5	ug/l	25.0	ND	66	18-150			
Iodomethane	26.2	2.5	ug/l	25.0	ND	105	47-141			
Isopropylbenzene	23.7	0.50	ug/l	25.0	ND	95	78-137			
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Methylene Chloride	18.6	1.0	ug/l	25.0	ND	75	74-132			
4-Methyl-2-pentanone (MIBK)	18.5	2.5	ug/l	25.0	ND	74	56-145			
Methyl-tert-butyl Ether (MTBE)	18.4	0.50	ug/l	25.0	ND	74	67-138			
Naphthalene	19.4	2.5	ug/l	25.0	ND	77	54-135			
n-Propylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.1	0.50	ug/l	25.0	ND	77	51-123			
1,1,1,2-Tetrachloroethane	19.3	0.50	ug/l	25.0	ND	77	70-130			
1,1,2,2-Tetrachloroethane	17.8	0.50	ug/l	25.0	ND	71	69-133			
Tetrachloroethene	22.8	0.50	ug/l	25.0	1.91	84	70-130			
Toluene	18.8	0.50	ug/l	25.0	ND	75	70-130			
1,2,3-Trichlorobenzene	19.5	1.0	ug/l	25.0	ND	78	70-130			
1,2,4-Trichlorobenzene	19.6	1.0	ug/l	25.0	ND	78	66-126			
1,1,1-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	76-132			
1,1,2-Trichloroethane	17.0	0.50	ug/l	25.0	ND	68	70-130			M2
Trichloroethene	24.2	0.50	ug/l	25.0	4.24	80	70-130			
Trichlorofluoromethane	24.2	0.50	ug/l	25.0	ND	97	74-150			
1,2,3-Trichloropropane	19.0	1.0	ug/l	25.0	ND	76	70-130			
1,2,4-Trimethylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
1,3,5-Trimethylbenzene	22.3	0.50	ug/l	25.0	ND	89	61-138			
Vinyl Acetate	17.6	1.0	ug/l	25.0	ND	70	50-150			
Vinyl chloride	22.7	0.50	ug/l	25.0	ND	91	58-139			
Xylenes, Total	40.5	1.5	ug/l	50.0	ND	81	70-130			
Surrogate: Dibromofluoromethane	26.5		ug/l	25.0		106	70-130			
Surrogate: Toluene-d8	25.8		ug/l	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		ug/l	25.0		101	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Dup Analyzed: 06/30/2011 (11F1112-MSD1)					Source: PUF1584-11					
Acetone	16.4	10	ug/l	25.0	ND	66	10-150	33	35	
Benzene	25.3	0.50	ug/l	25.0	ND	101	70-130	25	20	RI
Bromobenzene	26.6	0.50	ug/l	25.0	ND	106	70-130	28	20	RI
Bromochloromethane	24.7	0.50	ug/l	25.0	ND	99	70-130	26	20	RI
Bromodichloromethane	28.3	0.50	ug/l	25.0	1.66	106	70-130	30	20	RI
Bromoform	23.9	1.0	ug/l	25.0	0.370	94	62-126	34	20	RI
Bromomethane	26.7	1.0	ug/l	25.0	ND	107	55-136	21	24	
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150	23	31	
n-Butylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-130	27	20	RI
sec-Butylbenzene	28.2	0.50	ug/l	25.0	ND	113	70-130	25	20	RI
tert-Butylbenzene	28.7	0.50	ug/l	25.0	ND	115	70-130	26	20	RI
Carbon disulfide	30.2	0.50	ug/l	25.0	ND	121	56-132	16	20	
Carbon tetrachloride	28.5	0.50	ug/l	25.0	ND	114	76-131	22	20	RI
Chlorobenzene	26.4	0.50	ug/l	25.0	ND	106	70-130	27	20	RI
Chloroethane	23.7	1.0	ug/l	25.0	ND	95	67-134	17	20	
Chloroform	28.9	0.50	ug/l	25.0	3.04	103	70-130	19	20	
Chloromethane	28.8	1.0	ug/l	25.0	ND	115	50-135	19	20	
2-Chlorotoluene	27.6	0.50	ug/l	25.0	ND	111	70-130	27	20	RI
4-Chlorotoluene	27.8	0.50	ug/l	25.0	ND	111	70-130	26	20	RI
Dibromochloromethane	26.7	0.50	ug/l	25.0	0.700	104	70-130	30	20	RI
1,2-Dibromo-3-chloropropane	26.6	2.5	ug/l	25.0	ND	106	60-135	38	29	RI
1,2-Dibromoethane (EDB)	24.8	0.50	ug/l	25.0	ND	99	70-130	30	20	RI
Dibromomethane	24.1	0.50	ug/l	25.0	ND	96	70-130	30	20	RI
1,2-Dichlorobenzene	26.6	0.50	ug/l	25.0	ND	106	70-130	27	20	RI
1,3-Dichlorobenzene	26.8	0.50	ug/l	25.0	ND	107	70-130	26	20	RI
1,4-Dichlorobenzene	26.7	0.50	ug/l	25.0	ND	107	70-130	27	20	RI
Dichlorodifluoromethane	26.1	0.50	ug/l	25.0	ND	105	36-150	16	22	
1,1-Dichloroethane	25.8	0.50	ug/l	25.0	0.210	102	70-130	20	20	
1,2-Dichloroethane	27.3	0.50	ug/l	25.0	ND	109	68-143	25	20	RI
1,1-Dichloroethene	25.4	0.50	ug/l	25.0	0.490	100	70-130	16	20	
cis-1,2-Dichloroethene	23.8	0.50	ug/l	25.0	0.740	92	70-130	22	20	RI
trans-1,2-Dichloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	21	20	RI
1,2-Dichloropropane	24.5	0.50	ug/l	25.0	ND	98	70-130	30	20	RI
1,3-Dichloropropane	24.4	0.50	ug/l	25.0	ND	97	70-130	31	20	RI
2,2-Dichloropropane	28.3	1.0	ug/l	25.0	ND	113	66-130	21	20	RI

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Dup Analyzed: 06/30/2011 (11F1112-MSD1)					Source: PUF1584-11					
1,1-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	70-130	23	20	RI
cis-1,3-Dichloropropene	25.9	0.50	ug/l	25.0	ND	103	70-130	28	20	RI
trans-1,3-Dichloropropene	26.0	0.50	ug/l	25.0	ND	104	71-132	31	20	RI
Ethylbenzene	27.1	0.50	ug/l	25.0	ND	108	70-130	22	20	RI
Hexachlorobutadiene	25.7	1.0	ug/l	25.0	ND	103	66-129	23	21	RI
2-Hexanone	23.8	2.5	ug/l	25.0	ND	95	18-150	36	25	RI
Iodomethane	31.5	2.5	ug/l	25.0	ND	126	47-141	18	29	
Isopropylbenzene	29.8	0.50	ug/l	25.0	ND	119	78-137	23	20	RI
p-Isopropyltoluene	28.0	0.50	ug/l	25.0	ND	112	70-130	25	20	RI
Methylene Chloride	23.7	1.0	ug/l	25.0	ND	95	74-132	24	20	RI
4-Methyl-2-pentanone (MIBK)	26.4	2.5	ug/l	25.0	ND	105	56-145	35	26	RI
Methyl-tert-butyl Ether (MTBE)	24.1	0.50	ug/l	25.0	ND	96	67-138	27	21	RI
Naphthalene	26.2	2.5	ug/l	25.0	ND	105	54-135	30	33	
n-Propylbenzene	29.0	0.50	ug/l	25.0	ND	116	70-130	27	20	RI
Styrene	24.7	0.50	ug/l	25.0	ND	99	51-123	25	21	RI
1,1,1,2-Tetrachloroethane	25.4	0.50	ug/l	25.0	ND	102	70-130	27	20	RI
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0	ND	99	69-133	33	20	RI
Tetrachloroethene	27.6	0.50	ug/l	25.0	1.91	103	70-130	19	20	
Toluene	26.1	0.50	ug/l	25.0	ND	104	70-130	32	20	RI
1,2,3-Trichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	70-130	31	20	RI
1,2,4-Trichlorobenzene	26.7	1.0	ug/l	25.0	ND	107	66-126	31	20	RI
1,1,1-Trichloroethane	28.2	0.50	ug/l	25.0	ND	113	76-132	22	20	RI
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	70-130	31	20	RI
Trichloroethene	30.2	0.50	ug/l	25.0	4.24	104	70-130	22	20	RI
Trichlorofluoromethane	28.5	0.50	ug/l	25.0	ND	114	74-150	16	20	
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0	ND	103	70-130	30	20	RI
1,2,4-Trimethylbenzene	28.4	0.50	ug/l	25.0	ND	113	70-130	25	20	RI
1,3,5-Trimethylbenzene	28.9	0.50	ug/l	25.0	ND	115	61-138	26	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	31	23	RI
Vinyl chloride	26.7	0.50	ug/l	25.0	ND	107	58-139	16	21	
Xylenes, Total	52.2	1.5	ug/l	50.0	ND	104	70-130	25	20	RI
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		103	70-130			
Surrogate: Toluene-d8	25.6		ug/l	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		ug/l	25.0		100	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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PUF1584 <Page 61 of 62>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1584

Sampled: 06/27/11
Received: 06/27/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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CHAIN OF CUSTODY FORM

17461 Dorian Ave., Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1201 E. Society Blvd., Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
 3300 South 31st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2600 E. Sunset Rd., Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

TAL-0013(1007)

Page 1 of 1

Client Name/Address: SYNERGY ENV. LLC 10645 N. TATUM BLVD, #200-437 PHOENIX, AZ 85028			Project/PO Number: #802.10			Analysis Required										
Project Manager: JOEL PETERSON			Phone Number: (602) 430-2785			<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> VOCs BY 81608 (FULL LIST) </div>										
Sampler: ANDREW MACHUGH			Fax Number: _____													
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	Special Instructions									
TB	W	40ml VOA	1	6/10/11	—	HCl	PUF 1584-01									
EB-1	W	40ml VOA	3	6/27/11	0825	HCl	02									
W-3	W	40ml VOA	3		1044	HCl	03									
W-4	W	40ml VOA	3		1104	HCl	04									
W-5	W	40ml VOA	3		1128	HCl	05									
W-6	W	40ml VOA	3		1144	HCl	06									
W-7	W	40ml VOA	3		1201	HCl	07									
W-8	W	40ml VOA	3		1223	HCl	08									
W-10	W	40ml VOA	3		1245	HCl	09									
W-11	W	40ml VOA	3		1305	HCl	10									
W-22	W	40ml VOA	3		1406	HCl	11									
W-19	W	40ml VOA	3		1434	HCl	12									
W-12	W	40ml VOA	3	1512	HCl	13										
DUPLICATE A	W	40ml VOA	3	6/27/11	—	HCl	14									
Relinquished By: <u>OS</u>			Date/Time: <u>6/27/11 1608</u>			Received By: _____			Date/Time: _____			Turnaround Time: (Check) same day _____ 72 hours _____ 24 hours _____ <u>5 days</u> <u>X</u> _____ 48 hours _____ normal _____				
Relinquished By: _____			Date/Time: _____			Received By: _____			Date/Time: _____			Sample Integrity: (Check) intact _____ on ice <u>Y</u> _____				
Relinquished By: _____			Date/Time: _____			Received in Lab By: <u>WJH</u>			Date/Time: <u>6-27-11 1608</u>							

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.9°

LABORATORY REPORT

Prepared For: Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project: PO #802.10 June 2011

Sampled: 06/28/11
Received: 06/28/11
Issued: 07/05/11 13:34

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUF1619-01
PUF1619-02
PUF1619-03
PUF1619-04
PUF1619-05
PUF1619-06
PUF1619-07
PUF1619-08
PUF1619-09
PUF1619-10
PUF1619-11

CLIENT ID

TB
W-13
W-2
EB-2
W-20
W-21
W-14
W-15
W-17
W-16
Duplicate B

MATRIX

Water
Water
Water
Water
Water
Water
Water
Water
Water
Water
Water

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602)
454-9303

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

N1 EPA 8260B:The RPD exceeded the acceptance limit due to sample matrix effects.
R1 EPA 8260B:The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:



TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-01 (TB - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-01 (TB - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				111 %				
Surrogate: Toluene-d8 (70-130%)				99 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				98 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-02 (W-13 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	2.8	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	0.81	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	2.5	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	3.0	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-02 (W-13 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	9.3	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	30	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				113 %				
Surrogate: Toluene-d8 (70-130%)				100 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				102 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-03 (W-2 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	3.4	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	2.0	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	5.0	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	7.2	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-03 (W-2 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	14	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	75	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	0.52	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				114 %				
Surrogate: Toluene-d8 (70-130%)				106 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				100 %				

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-04 (EB-2 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-04 (EB-2 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				111 %				
Surrogate: Toluene-d8 (70-130%)				104 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				100 %				

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-05 (W-20 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	2.9	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	1.6	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	3.1	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	6.4	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-05 (W-20 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	9.7	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	56	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				114 %				
Surrogate: Toluene-d8 (70-130%)				100 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				98 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-06 (W-21 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	2.9	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	1.6	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	2.6	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	6.2	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-06 (W-21 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	8.6	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	54	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				117 %				
Surrogate: Toluene-d8 (70-130%)				102 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				100 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-07 (W-14 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	1.2	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	4.4	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	7.9	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	9.8	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-07 (W-14 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	4.6	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	58	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				115 %				
Surrogate: Toluene-d8 (70-130%)				102 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				104 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-08 (W-15 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	1.4	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	2.6	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	4.2	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	5.4	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-08 (W-15 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	7.1	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	17	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				114 %				
Surrogate: Toluene-d8 (70-130%)				102 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				96 %				

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-09 (W-17 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	0.87	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	0.51	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-09 (W-17 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	5.3	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	0.57	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				115 %				
Surrogate: Toluene-d8 (70-130%)				101 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				101 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-10 (W-16 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1112	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1112	0.50	0.59	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-10 (W-16 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1112	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1112	0.50	12	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1112	0.50	0.56	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1112	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1112	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1112	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				117 %				
Surrogate: Toluene-d8 (70-130%)				100 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				99 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-11 (Duplicate B - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11F1110	10	ND	1	6/30/2011	6/30/2011	
Benzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Bromobenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Bromochloromethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Bromodichloromethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Bromoform	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
Bromomethane	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
2-Butanone (MEK)	EPA 8260B	11F1110	2.5	ND	1	6/30/2011	6/30/2011	
n-Butylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
sec-Butylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
tert-Butylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Carbon disulfide	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Carbon tetrachloride	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Chlorobenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Chloroethane	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
Chloroform	EPA 8260B	11F1110	0.50	2.5	1	6/30/2011	6/30/2011	
Chloromethane	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
2-Chlorotoluene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
4-Chlorotoluene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Dibromochloromethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11F1110	2.5	ND	1	6/30/2011	6/30/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Dibromomethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichlorobenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichlorobenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,4-Dichlorobenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Dichlorodifluoromethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethane	EPA 8260B	11F1110	0.50	0.72	1	6/30/2011	6/30/2011	
1,2-Dichloroethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,1-Dichloroethene	EPA 8260B	11F1110	0.50	2.8	1	6/30/2011	6/30/2011	
cis-1,2-Dichloroethene	EPA 8260B	11F1110	0.50	3.2	1	6/30/2011	6/30/2011	
trans-1,2-Dichloroethene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,2-Dichloropropane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,3-Dichloropropane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
2,2-Dichloropropane	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
1,1-Dichloropropene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
cis-1,3-Dichloropropene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
trans-1,3-Dichloropropene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Ethylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Hexachlorobutadiene	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1619-11 (Duplicate B - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11F1110	2.5	ND	1	6/30/2011	6/30/2011	
Iodomethane	EPA 8260B	11F1110	2.5	ND	1	6/30/2011	6/30/2011	
Isopropylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
p-Isopropyltoluene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Methylene Chloride	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11F1110	2.5	ND	1	6/30/2011	6/30/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Naphthalene	EPA 8260B	11F1110	2.5	ND	1	6/30/2011	6/30/2011	
n-Propylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Styrene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Tetrachloroethene	EPA 8260B	11F1110	0.50	9.6	1	6/30/2011	6/30/2011	
Toluene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
1,1,1-Trichloroethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,1,2-Trichloroethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Trichloroethene	EPA 8260B	11F1110	0.50	31	1	6/30/2011	6/30/2011	
Trichlorofluoromethane	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,2,3-Trichloropropane	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Vinyl Acetate	EPA 8260B	11F1110	1.0	ND	1	6/30/2011	6/30/2011	
Vinyl chloride	EPA 8260B	11F1110	0.50	ND	1	6/30/2011	6/30/2011	
Xylenes, Total	EPA 8260B	11F1110	1.5	ND	1	6/30/2011	6/30/2011	
Surrogate: Dibromofluoromethane (70-130%)				97 %				
Surrogate: Toluene-d8 (70-130%)				99 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				100 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F1110-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F1110-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Surrogate: Dibromofluoromethane	24.0		ug/l	25.0		96	70-130			
Surrogate: Toluene-d8	24.0		ug/l	25.0		96	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		ug/l	25.0		93	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
LCS Analyzed: 06/30/2011 (11F1110-BS1)										
Acetone	18.3	10	ug/l	25.0		73	30-150			
Benzene	22.9	0.50	ug/l	25.0		92	70-130			
Bromobenzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromochloromethane	22.3	0.50	ug/l	25.0		89	70-130			
Bromodichloromethane	23.1	0.50	ug/l	25.0		92	70-130			
Bromoform	23.6	1.0	ug/l	25.0		94	67-122			
Bromomethane	20.9	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	22.5	2.5	ug/l	25.0		90	48-150			
n-Butylbenzene	26.2	0.50	ug/l	25.0		105	70-130			
sec-Butylbenzene	26.6	0.50	ug/l	25.0		106	70-130			
tert-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130			
Carbon disulfide	26.5	0.50	ug/l	25.0		106	61-126			
Carbon tetrachloride	23.6	0.50	ug/l	25.0		94	70-130			
Chlorobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Chloroethane	20.9	1.0	ug/l	25.0		84	69-128			
Chloroform	21.4	0.50	ug/l	25.0		86	70-130			
Chloromethane	20.2	1.0	ug/l	25.0		81	56-131			
2-Chlorotoluene	24.3	0.50	ug/l	25.0		97	70-130			
4-Chlorotoluene	24.8	0.50	ug/l	25.0		99	70-130			
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	70-130			
1,2-Dibromo-3-chloropropane	23.1	2.5	ug/l	25.0		92	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	22.0	0.50	ug/l	25.0		88	70-130			
1,2-Dichlorobenzene	24.8	0.50	ug/l	25.0		99	70-130			
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0		96	70-130			
1,4-Dichlorobenzene	24.1	0.50	ug/l	25.0		96	70-130			
Dichlorodifluoromethane	20.4	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	21.3	0.50	ug/l	25.0		85	70-130			
1,2-Dichloroethane	21.2	0.50	ug/l	25.0		85	72-133			
1,1-Dichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0		89	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0		89	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	20.1	0.50	ug/l	25.0		81	70-130			
2,2-Dichloropropane	23.0	1.0	ug/l	25.0		92	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
LCS Analyzed: 06/30/2011 (11F1110-BS1)										
1,1-Dichloropropene	22.7	0.50	ug/l	25.0		91	70-130			
cis-1,3-Dichloropropene	24.2	0.50	ug/l	25.0		97	70-130			
trans-1,3-Dichloropropene	24.1	0.50	ug/l	25.0		96	70-130			
Ethylbenzene	26.4	0.50	ug/l	25.0		106	70-130			
Hexachlorobutadiene	26.0	1.0	ug/l	25.0		104	70-130			
2-Hexanone	23.6	2.5	ug/l	25.0		94	44-150			
Iodomethane	25.2	2.5	ug/l	25.0		101	58-138			
Isopropylbenzene	26.8	0.50	ug/l	25.0		107	70-130			
p-Isopropyltoluene	27.4	0.50	ug/l	25.0		109	70-130			
Methylene Chloride	21.2	1.0	ug/l	25.0		85	70-130			
4-Methyl-2-pentanone (MIBK)	25.7	2.5	ug/l	25.0		103	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	25.1	2.5	ug/l	25.0		101	65-129			
n-Propylbenzene	26.9	0.50	ug/l	25.0		108	70-130			
Styrene	26.0	0.50	ug/l	25.0		104	70-130			
1,1,1,2-Tetrachloroethane	23.3	0.50	ug/l	25.0		93	70-130			
1,1,2,2-Tetrachloroethane	17.9	0.50	ug/l	25.0		72	70-130			
Tetrachloroethene	23.7	0.50	ug/l	25.0		95	70-130			
Toluene	24.7	0.50	ug/l	25.0		99	70-130			
1,2,3-Trichlorobenzene	25.6	1.0	ug/l	25.0		103	70-130			
1,2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0		100	70-130			
1,1,1-Trichloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,1,2-Trichloroethane	22.0	0.50	ug/l	25.0		88	70-130			
Trichloroethene	23.2	0.50	ug/l	25.0		93	70-130			
Trichlorofluoromethane	23.5	0.50	ug/l	25.0		94	78-149			
1,2,3-Trichloropropane	20.8	1.0	ug/l	25.0		83	70-130			
1,2,4-Trimethylbenzene	26.9	0.50	ug/l	25.0		108	70-130			
1,3,5-Trimethylbenzene	26.5	0.50	ug/l	25.0		106	70-130			
Vinyl Acetate	20.5	1.0	ug/l	25.0		82	57-149			
Vinyl chloride	22.0	0.50	ug/l	25.0		88	66-134			
Xylenes, Total	52.1	1.5	ug/l	50.0		104	70-130			
Surrogate: Dibromofluoromethane	23.1		ug/l	25.0		92	70-130			
Surrogate: Toluene-d8	25.0		ug/l	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		ug/l	25.0		101	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
LCS Dup Analyzed: 06/30/2011 (11F1110-BSD1)										
Acetone	17.8	10	ug/l	25.0		71	30-150	3	35	
Benzene	25.0	0.50	ug/l	25.0		100	70-130	9	20	
Bromobenzene	24.7	0.50	ug/l	25.0		99	70-130	5	20	
Bromochloromethane	23.8	0.50	ug/l	25.0		95	70-130	6	20	
Bromodichloromethane	25.6	0.50	ug/l	25.0		102	70-130	10	20	
Bromoform	25.0	1.0	ug/l	25.0		100	67-122	6	20	
Bromomethane	22.1	1.0	ug/l	25.0		88	64-132	6	20	
2-Butanone (MEK)	22.9	2.5	ug/l	25.0		92	48-150	2	33	
n-Butylbenzene	30.0	0.50	ug/l	25.0		120	70-130	14	20	
sec-Butylbenzene	28.5	0.50	ug/l	25.0		114	70-130	7	20	
tert-Butylbenzene	27.0	0.50	ug/l	25.0		108	70-130	7	20	
Carbon disulfide	27.2	0.50	ug/l	25.0		109	61-126	3	20	
Carbon tetrachloride	26.3	0.50	ug/l	25.0		105	70-130	11	20	
Chlorobenzene	25.4	0.50	ug/l	25.0		102	70-130	10	20	
Chloroethane	22.4	1.0	ug/l	25.0		89	69-128	7	20	
Chloroform	23.0	0.50	ug/l	25.0		92	70-130	7	20	
Chloromethane	21.0	1.0	ug/l	25.0		84	56-131	4	20	
2-Chlorotoluene	25.6	0.50	ug/l	25.0		102	70-130	5	20	
4-Chlorotoluene	26.8	0.50	ug/l	25.0		107	70-130	8	20	
Dibromochloromethane	26.9	0.50	ug/l	25.0		108	70-130	11	20	
1,2-Dibromo-3-chloropropane	25.0	2.5	ug/l	25.0		100	63-129	8	25	
1,2-Dibromoethane (EDB)	24.6	0.50	ug/l	25.0		99	70-130	11	20	
Dibromomethane	24.3	0.50	ug/l	25.0		97	70-130	10	20	
1,2-Dichlorobenzene	26.6	0.50	ug/l	25.0		106	70-130	7	20	
1,3-Dichlorobenzene	25.8	0.50	ug/l	25.0		103	70-130	7	20	
1,4-Dichlorobenzene	26.0	0.50	ug/l	25.0		104	70-130	8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	7	20	
1,1-Dichloroethane	23.0	0.50	ug/l	25.0		92	70-130	7	20	
1,2-Dichloroethane	22.8	0.50	ug/l	25.0		91	72-133	7	20	
1,1-Dichloroethene	23.6	0.50	ug/l	25.0		94	70-130	6	20	
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0		95	70-130	6	20	
trans-1,2-Dichloroethene	23.4	0.50	ug/l	25.0		94	70-130	5	20	
1,2-Dichloropropane	23.7	0.50	ug/l	25.0		95	70-130	11	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0		89	70-130	10	20	
2,2-Dichloropropane	22.3	1.0	ug/l	25.0		89	70-130	3	20	

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
LCS Dup Analyzed: 06/30/2011 (11F1110-BSD1)										
1,1-Dichloropropene	24.8	0.50	ug/l	25.0		99	70-130	9	20	
cis-1,3-Dichloropropene	26.7	0.50	ug/l	25.0		107	70-130	10	20	
trans-1,3-Dichloropropene	26.6	0.50	ug/l	25.0		106	70-130	10	20	
Ethylbenzene	28.7	0.50	ug/l	25.0		115	70-130	8	20	
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130	7	20	
2-Hexanone	26.5	2.5	ug/l	25.0		106	44-150	12	31	
Iodomethane	26.9	2.5	ug/l	25.0		108	58-138	7	25	
Isopropylbenzene	28.0	0.50	ug/l	25.0		112	70-130	5	20	
p-Isopropyltoluene	29.9	0.50	ug/l	25.0		120	70-130	9	20	
Methylene Chloride	22.4	1.0	ug/l	25.0		89	70-130	5	20	
4-Methyl-2-pentanone (MIBK)	29.1	2.5	ug/l	25.0		116	61-142	13	22	
Methyl-tert-butyl Ether (MTBE)	21.4	0.50	ug/l	25.0		85	70-130	6	20	
Naphthalene	28.8	2.5	ug/l	25.0		115	65-129	14	20	
n-Propylbenzene	28.8	0.50	ug/l	25.0		115	70-130	7	20	
Styrene	28.6	0.50	ug/l	25.0		114	70-130	10	20	
1,1,1,2-Tetrachloroethane	25.7	0.50	ug/l	25.0		103	70-130	10	20	
1,1,2,2-Tetrachloroethane	19.4	0.50	ug/l	25.0		77	70-130	8	20	
Tetrachloroethene	25.6	0.50	ug/l	25.0		102	70-130	8	20	
Toluene	26.9	0.50	ug/l	25.0		108	70-130	9	20	
1,2,3-Trichlorobenzene	29.9	1.0	ug/l	25.0		120	70-130	15	20	
1,2,4-Trichlorobenzene	28.6	1.0	ug/l	25.0		114	70-130	13	20	
1,1,1-Trichloroethane	23.6	0.50	ug/l	25.0		95	70-130	7	20	
1,1,2-Trichloroethane	24.7	0.50	ug/l	25.0		99	70-130	11	20	
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130	10	20	
Trichlorofluoromethane	24.5	0.50	ug/l	25.0		98	78-149	4	20	
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	5	20	
1,2,4-Trimethylbenzene	29.4	0.50	ug/l	25.0		118	70-130	9	20	
1,3,5-Trimethylbenzene	28.4	0.50	ug/l	25.0		114	70-130	7	20	
Vinyl Acetate	22.9	1.0	ug/l	25.0		92	57-149	11	21	
Vinyl chloride	23.5	0.50	ug/l	25.0		94	66-134	7	20	
Xylenes, Total	56.8	1.5	ug/l	50.0		114	70-130	9	20	
Surrogate: Dibromofluoromethane	23.0		ug/l	25.0		92	70-130			
Surrogate: Toluene-d8	25.3		ug/l	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		ug/l	25.0		104	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
Matrix Spike Analyzed: 06/30/2011 (11F1110-MS1)					Source: PUF1619-11					
Acetone	14.2	10	ug/l	25.0	ND	57	10-150			
Benzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Bromobenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Bromochloromethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
Bromodichloromethane	23.8	0.50	ug/l	25.0	ND	95	70-130			
Bromoform	22.9	1.0	ug/l	25.0	ND	92	62-126			
Bromomethane	20.8	1.0	ug/l	25.0	ND	83	55-136			
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150			
n-Butylbenzene	27.0	0.50	ug/l	25.0	ND	108	70-130			
sec-Butylbenzene	27.6	0.50	ug/l	25.0	ND	110	70-130			
tert-Butylbenzene	27.0	0.50	ug/l	25.0	ND	108	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0	ND	97	56-132			
Carbon tetrachloride	25.3	0.50	ug/l	25.0	ND	101	76-131			
Chlorobenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
Chloroethane	21.1	1.0	ug/l	25.0	ND	84	67-134			
Chloroform	23.7	0.50	ug/l	25.0	2.52	85	70-130			
Chloromethane	19.0	1.0	ug/l	25.0	ND	76	50-135			
2-Chlorotoluene	25.3	0.50	ug/l	25.0	ND	101	70-130			
4-Chlorotoluene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Dibromochloromethane	23.9	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dibromo-3-chloropropane	21.8	2.5	ug/l	25.0	ND	87	60-135			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0	ND	88	70-130			
Dibromomethane	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Dichlorodifluoromethane	21.5	0.50	ug/l	25.0	ND	86	36-150			
1,1-Dichloroethane	24.4	0.50	ug/l	25.0	0.720	95	70-130			
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	68-143			
1,1-Dichloroethene	25.5	0.50	ug/l	25.0	2.82	91	70-130			
cis-1,2-Dichloroethene	25.2	0.50	ug/l	25.0	3.18	88	70-130			
trans-1,2-Dichloroethene	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dichloropropane	21.4	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichloropropane	20.1	0.50	ug/l	25.0	ND	80	70-130			
2,2-Dichloropropane	23.3	1.0	ug/l	25.0	ND	93	66-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
Matrix Spike Analyzed: 06/30/2011 (11F1110-MS1)					Source: PUF1619-11					
1,1-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	70-130			
cis-1,3-Dichloropropene	24.1	0.50	ug/l	25.0	ND	96	70-130			
trans-1,3-Dichloropropene	23.7	0.50	ug/l	25.0	ND	95	71-132			
Ethylbenzene	27.5	0.50	ug/l	25.0	ND	110	70-130			
Hexachlorobutadiene	27.0	1.0	ug/l	25.0	ND	108	66-129			
2-Hexanone	22.1	2.5	ug/l	25.0	ND	88	18-150			
Iodomethane	25.4	2.5	ug/l	25.0	ND	102	47-141			
Isopropylbenzene	28.0	0.50	ug/l	25.0	ND	112	78-137			
p-Isopropyltoluene	28.3	0.50	ug/l	25.0	ND	113	70-130			
Methylene Chloride	20.8	1.0	ug/l	25.0	ND	83	74-132			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0	ND	95	56-145			
Methyl-tert-butyl Ether (MTBE)	17.5	0.50	ug/l	25.0	ND	70	67-138			
Naphthalene	24.5	2.5	ug/l	25.0	1.02	94	54-135			
n-Propylbenzene	28.0	0.50	ug/l	25.0	ND	112	70-130			
Styrene	25.6	0.50	ug/l	25.0	ND	102	51-123			
1,1,1,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	70-130			
1,1,2,2-Tetrachloroethane	17.5	0.50	ug/l	25.0	ND	70	69-133			
Tetrachloroethene	33.8	0.50	ug/l	25.0	9.58	97	70-130			
Toluene	25.1	0.50	ug/l	25.0	ND	101	70-130			
1,2,3-Trichlorobenzene	25.6	1.0	ug/l	25.0	ND	102	70-130			
1,2,4-Trichlorobenzene	25.0	1.0	ug/l	25.0	ND	100	66-126			
1,1,1-Trichloroethane	23.0	0.50	ug/l	25.0	ND	92	76-132			
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	51.5	0.50	ug/l	25.0	31.4	81	70-130			
Trichlorofluoromethane	24.5	0.50	ug/l	25.0	ND	98	74-150			
1,2,3-Trichloropropane	20.1	1.0	ug/l	25.0	ND	80	70-130			
1,2,4-Trimethylbenzene	27.0	0.50	ug/l	25.0	ND	108	70-130			
1,3,5-Trimethylbenzene	27.6	0.50	ug/l	25.0	ND	111	61-138			
Vinyl Acetate	20.6	1.0	ug/l	25.0	ND	82	50-150			
Vinyl chloride	22.8	0.50	ug/l	25.0	ND	91	58-139			
Xylenes, Total	53.6	1.5	ug/l	50.0	ND	107	70-130			
Surrogate: Dibromofluoromethane	22.6		ug/l	25.0		90	70-130			
Surrogate: Toluene-d8	25.1		ug/l	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
Matrix Spike Dup Analyzed: 06/30/2011 (11F1110-MSD1)					Source: PUF1619-11					
Acetone	15.0	10	ug/l	25.0	ND	60	10-150	5	35	
Benzene	22.3	0.50	ug/l	25.0	ND	89	70-130	6	20	
Bromobenzene	23.4	0.50	ug/l	25.0	ND	93	70-130	0.9	20	
Bromochloromethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
Bromodichloromethane	22.1	0.50	ug/l	25.0	ND	88	70-130	7	20	
Bromoform	20.3	1.0	ug/l	25.0	ND	81	62-126	12	20	
Bromomethane	20.2	1.0	ug/l	25.0	ND	81	55-136	3	24	
2-Butanone (MEK)	21.1	2.5	ug/l	25.0	ND	84	22-150	6	31	
n-Butylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	7	20	
sec-Butylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	8	20	
tert-Butylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-130	7	20	
Carbon disulfide	15.3	0.50	ug/l	25.0	ND	61	56-132	45	20	NI
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131	10	20	
Chlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
Chloroethane	20.9	1.0	ug/l	25.0	ND	84	67-134	1	20	
Chloroform	23.1	0.50	ug/l	25.0	2.52	82	70-130	3	20	
Chloromethane	19.3	1.0	ug/l	25.0	ND	77	50-135	1	20	
2-Chlorotoluene	23.6	0.50	ug/l	25.0	ND	94	70-130	7	20	
4-Chlorotoluene	24.6	0.50	ug/l	25.0	ND	98	70-130	5	20	
Dibromochloromethane	21.8	0.50	ug/l	25.0	ND	87	70-130	9	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0	ND	89	60-135	2	29	
1,2-Dibromoethane (EDB)	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	4	20	
1,3-Dichlorobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	3	20	
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0	ND	93	70-130	4	20	
Dichlorodifluoromethane	20.8	0.50	ug/l	25.0	ND	83	36-150	3	22	
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	0.720	83	70-130	12	20	
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	68-143	0.2	20	
1,1-Dichloroethene	24.9	0.50	ug/l	25.0	2.82	88	70-130	2	20	
cis-1,2-Dichloroethene	24.0	0.50	ug/l	25.0	3.18	83	70-130	5	20	
trans-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130	4	20	
1,2-Dichloropropane	20.7	0.50	ug/l	25.0	ND	83	70-130	3	20	
1,3-Dichloropropane	20.2	0.50	ug/l	25.0	ND	81	70-130	0.9	20	
2,2-Dichloropropane	23.1	1.0	ug/l	25.0	ND	92	66-130	0.9	20	

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1110 Extracted: 06/30/11										
Matrix Spike Dup Analyzed: 06/30/2011 (11F1110-MSD1)					Source: PUF1619-11					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130	6	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	70-130	10	20	
trans-1,3-Dichloropropene	21.9	0.50	ug/l	25.0	ND	88	71-132	8	20	
Ethylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	8	20	
Hexachlorobutadiene	25.3	1.0	ug/l	25.0	ND	101	66-129	7	21	
2-Hexanone	23.2	2.5	ug/l	25.0	ND	93	18-150	5	25	
Iodomethane	24.8	2.5	ug/l	25.0	ND	99	47-141	2	29	
Isopropylbenzene	26.4	0.50	ug/l	25.0	ND	105	78-137	6	20	
p-Isopropyltoluene	25.9	0.50	ug/l	25.0	ND	103	70-130	9	20	
Methylene Chloride	20.6	1.0	ug/l	25.0	ND	82	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	24.7	2.5	ug/l	25.0	ND	99	56-145	4	26	
Methyl-tert-butyl Ether (MTBE)	18.7	0.50	ug/l	25.0	ND	75	67-138	7	21	
Naphthalene	23.9	2.5	ug/l	25.0	1.02	91	54-135	3	33	
n-Propylbenzene	26.2	0.50	ug/l	25.0	ND	105	70-130	7	20	
Styrene	24.0	0.50	ug/l	25.0	ND	96	51-123	6	21	
1,1,1,2-Tetrachloroethane	23.2	0.50	ug/l	25.0	ND	93	70-130	3	20	
1,1,2,2-Tetrachloroethane	18.6	0.50	ug/l	25.0	ND	75	69-133	6	20	
Tetrachloroethene	32.5	0.50	ug/l	25.0	9.58	92	70-130	4	20	
Toluene	23.8	0.50	ug/l	25.0	ND	95	70-130	5	20	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	70-130	1	20	
1,2,4-Trichlorobenzene	24.3	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	3	20	
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130	1	20	
Trichloroethene	49.6	0.50	ug/l	25.0	31.4	73	70-130	4	20	
Trichlorofluoromethane	24.2	0.50	ug/l	25.0	ND	97	74-150	1	20	
1,2,3-Trichloropropane	21.7	1.0	ug/l	25.0	ND	87	70-130	8	20	
1,2,4-Trimethylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	6	20	
1,3,5-Trimethylbenzene	26.0	0.50	ug/l	25.0	ND	104	61-138	6	33	
Vinyl Acetate	19.5	1.0	ug/l	25.0	ND	78	50-150	5	23	
Vinyl chloride	22.1	0.50	ug/l	25.0	ND	88	58-139	3	21	
Xylenes, Total	49.1	1.5	ug/l	50.0	ND	98	70-130	9	20	
Surrogate: Dibromofluoromethane	23.4		ug/l	25.0		94	70-130			
Surrogate: Toluene-d8	24.6		ug/l	25.0		99	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		ug/l	25.0		101	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F1112-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project Manager

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Synergy Environmental, LLC
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Attention: Joel Peterson

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Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Blank Analyzed: 06/30/2011 (11F1112-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Surrogate: Dibromofluoromethane	28.3		ug/l	25.0		113	70-130			
Surrogate: Toluene-d8	25.3		ug/l	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		ug/l	25.0		99	70-130			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Analyzed: 06/30/2011 (11F1112-BS1)										
Acetone	18.6	10	ug/l	25.0		74	30-150			
Benzene	25.0	0.50	ug/l	25.0		100	70-130			
Bromobenzene	26.5	0.50	ug/l	25.0		106	70-130			
Bromochloromethane	25.2	0.50	ug/l	25.0		101	70-130			
Bromodichloromethane	27.2	0.50	ug/l	25.0		109	70-130			
Bromoform	24.0	1.0	ug/l	25.0		96	67-122			
Bromomethane	25.9	1.0	ug/l	25.0		104	64-132			
2-Butanone (MEK)	22.3	2.5	ug/l	25.0		89	48-150			
n-Butylbenzene	29.8	0.50	ug/l	25.0		119	70-130			
sec-Butylbenzene	29.0	0.50	ug/l	25.0		116	70-130			
tert-Butylbenzene	28.5	0.50	ug/l	25.0		114	70-130			
Carbon disulfide	29.2	0.50	ug/l	25.0		117	61-126			
Carbon tetrachloride	29.1	0.50	ug/l	25.0		116	70-130			
Chlorobenzene	26.5	0.50	ug/l	25.0		106	70-130			
Chloroethane	24.5	1.0	ug/l	25.0		98	69-128			
Chloroform	27.6	0.50	ug/l	25.0		111	70-130			
Chloromethane	30.4	1.0	ug/l	25.0		122	56-131			
2-Chlorotoluene	28.7	0.50	ug/l	25.0		115	70-130			
4-Chlorotoluene	29.4	0.50	ug/l	25.0		118	70-130			
Dibromochloromethane	27.1	0.50	ug/l	25.0		108	70-130			
1,2-Dibromo-3-chloropropane	28.3	2.5	ug/l	25.0		113	63-129			
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0		104	70-130			
Dibromomethane	25.3	0.50	ug/l	25.0		101	70-130			
1,2-Dichlorobenzene	27.8	0.50	ug/l	25.0		111	70-130			
1,3-Dichlorobenzene	27.9	0.50	ug/l	25.0		112	70-130			
1,4-Dichlorobenzene	27.9	0.50	ug/l	25.0		112	70-130			
Dichlorodifluoromethane	28.4	0.50	ug/l	25.0		114	42-150			
1,1-Dichloroethane	25.9	0.50	ug/l	25.0		104	70-130			
1,2-Dichloroethane	30.4	0.50	ug/l	25.0		121	72-133			
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130			
cis-1,2-Dichloroethene	24.1	0.50	ug/l	25.0		96	70-130			
trans-1,2-Dichloroethene	24.0	0.50	ug/l	25.0		96	70-130			
1,2-Dichloropropane	24.3	0.50	ug/l	25.0		97	70-130			
1,3-Dichloropropane	24.7	0.50	ug/l	25.0		99	70-130			
2,2-Dichloropropane	27.7	1.0	ug/l	25.0		111	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Analyzed: 06/30/2011 (11F1112-BS1)										
1,1-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,3-Dichloropropene	26.3	0.50	ug/l	25.0		105	70-130			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0		111	70-130			
Ethylbenzene	27.4	0.50	ug/l	25.0		110	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130			
2-Hexanone	26.0	2.5	ug/l	25.0		104	44-150			
Iodomethane	30.4	2.5	ug/l	25.0		122	58-138			
Isopropylbenzene	29.6	0.50	ug/l	25.0		119	70-130			
p-Isopropyltoluene	29.4	0.50	ug/l	25.0		118	70-130			
Methylene Chloride	24.0	1.0	ug/l	25.0		96	70-130			
4-Methyl-2-pentanone (MIBK)	29.3	2.5	ug/l	25.0		117	61-142			
Methyl-tert-butyl Ether (MTBE)	26.2	0.50	ug/l	25.0		105	70-130			
Naphthalene	28.6	2.5	ug/l	25.0		115	65-129			
n-Propylbenzene	29.1	0.50	ug/l	25.0		117	70-130			
Styrene	25.5	0.50	ug/l	25.0		102	70-130			
1,1,1,2-Tetrachloroethane	25.8	0.50	ug/l	25.0		103	70-130			
1,1,2,2-Tetrachloroethane	25.6	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	25.6	0.50	ug/l	25.0		102	70-130			
Toluene	25.4	0.50	ug/l	25.0		102	70-130			
1,2,3-Trichlorobenzene	29.4	1.0	ug/l	25.0		117	70-130			
1,2,4-Trichlorobenzene	29.2	1.0	ug/l	25.0		117	70-130			
1,1,1-Trichloroethane	28.9	0.50	ug/l	25.0		115	70-130			
1,1,2-Trichloroethane	24.6	0.50	ug/l	25.0		98	70-130			
Trichloroethene	25.9	0.50	ug/l	25.0		104	70-130			
Trichlorofluoromethane	30.7	0.50	ug/l	25.0		123	78-149			
1,2,3-Trichloropropane	27.6	1.0	ug/l	25.0		111	70-130			
1,2,4-Trimethylbenzene	30.1	0.50	ug/l	25.0		120	70-130			
1,3,5-Trimethylbenzene	30.0	0.50	ug/l	25.0		120	70-130			
Vinyl Acetate	24.8	1.0	ug/l	25.0		99	57-149			
Vinyl chloride	26.9	0.50	ug/l	25.0		108	66-134			
Xylenes, Total	52.5	1.5	ug/l	50.0		105	70-130			
Surrogate: Dibromofluoromethane	26.9		ug/l	25.0		108	70-130			
Surrogate: Toluene-d8	26.2		ug/l	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		ug/l	25.0		106	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Dup Analyzed: 06/30/2011 (11F1112-BSD1)										
Acetone	17.8	10	ug/l	25.0		71	30-150	4	35	
Benzene	25.0	0.50	ug/l	25.0		100	70-130	0.1	20	
Bromobenzene	27.2	0.50	ug/l	25.0		109	70-130	2	20	
Bromochloromethane	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Bromodichloromethane	26.9	0.50	ug/l	25.0		107	70-130	1	20	
Bromoform	23.8	1.0	ug/l	25.0		95	67-122	0.9	20	
Bromomethane	26.4	1.0	ug/l	25.0		105	64-132	2	20	
2-Butanone (MEK)	21.8	2.5	ug/l	25.0		87	48-150	2	33	
n-Butylbenzene	29.1	0.50	ug/l	25.0		116	70-130	2	20	
sec-Butylbenzene	28.5	0.50	ug/l	25.0		114	70-130	1	20	
tert-Butylbenzene	28.1	0.50	ug/l	25.0		113	70-130	1	20	
Carbon disulfide	29.7	0.50	ug/l	25.0		119	61-126	2	20	
Carbon tetrachloride	28.6	0.50	ug/l	25.0		114	70-130	2	20	
Chlorobenzene	25.9	0.50	ug/l	25.0		104	70-130	2	20	
Chloroethane	23.8	1.0	ug/l	25.0		95	69-128	3	20	
Chloroform	26.7	0.50	ug/l	25.0		107	70-130	4	20	
Chloromethane	29.0	1.0	ug/l	25.0		116	56-131	5	20	
2-Chlorotoluene	27.9	0.50	ug/l	25.0		112	70-130	3	20	
4-Chlorotoluene	29.1	0.50	ug/l	25.0		117	70-130	0.9	20	
Dibromochloromethane	25.9	0.50	ug/l	25.0		104	70-130	4	20	
1,2-Dibromo-3-chloropropane	28.1	2.5	ug/l	25.0		112	63-129	0.8	25	
1,2-Dibromoethane (EDB)	24.6	0.50	ug/l	25.0		99	70-130	5	20	
Dibromomethane	24.6	0.50	ug/l	25.0		98	70-130	3	20	
1,2-Dichlorobenzene	27.2	0.50	ug/l	25.0		109	70-130	2	20	
1,3-Dichlorobenzene	27.7	0.50	ug/l	25.0		111	70-130	0.6	20	
1,4-Dichlorobenzene	27.3	0.50	ug/l	25.0		109	70-130	2	20	
Dichlorodifluoromethane	27.2	0.50	ug/l	25.0		109	42-150	4	20	
1,1-Dichloroethane	26.2	0.50	ug/l	25.0		105	70-130	1	20	
1,2-Dichloroethane	28.4	0.50	ug/l	25.0		114	72-133	7	20	
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130	3	20	
cis-1,2-Dichloroethene	24.2	0.50	ug/l	25.0		97	70-130	0.4	20	
trans-1,2-Dichloroethene	25.0	0.50	ug/l	25.0		100	70-130	4	20	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130	1	20	
1,3-Dichloropropane	24.3	0.50	ug/l	25.0		97	70-130	2	20	
2,2-Dichloropropane	26.4	1.0	ug/l	25.0		105	70-130	5	20	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
LCS Dup Analyzed: 06/30/2011 (11F1112-BSD1)										
1,1-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
cis-1,3-Dichloropropene	26.3	0.50	ug/l	25.0		105	70-130	0.2	20	
trans-1,3-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130	6	20	
Ethylbenzene	27.1	0.50	ug/l	25.0		109	70-130	1	20	
Hexachlorobutadiene	28.1	1.0	ug/l	25.0		112	70-130	0.04	20	
2-Hexanone	24.4	2.5	ug/l	25.0		98	44-150	6	31	
Iodomethane	30.8	2.5	ug/l	25.0		123	58-138	1	25	
Isopropylbenzene	30.0	0.50	ug/l	25.0		120	70-130	1	20	
p-Isopropyltoluene	28.7	0.50	ug/l	25.0		115	70-130	2	20	
Methylene Chloride	24.3	1.0	ug/l	25.0		97	70-130	1	20	
4-Methyl-2-pentanone (MIBK)	27.9	2.5	ug/l	25.0		111	61-142	5	22	
Methyl-tert-butyl Ether (MTBE)	25.7	0.50	ug/l	25.0		103	70-130	2	20	
Naphthalene	28.4	2.5	ug/l	25.0		114	65-129	0.9	20	
n-Propylbenzene	29.1	0.50	ug/l	25.0		116	70-130	0.2	20	
Styrene	25.0	0.50	ug/l	25.0		100	70-130	2	20	
1,1,1,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	70-130	4	20	
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130	0.5	20	
Tetrachloroethene	25.5	0.50	ug/l	25.0		102	70-130	0.3	20	
Toluene	25.3	0.50	ug/l	25.0		101	70-130	0.6	20	
1,2,3-Trichlorobenzene	28.8	1.0	ug/l	25.0		115	70-130	2	20	
1,2,4-Trichlorobenzene	28.7	1.0	ug/l	25.0		115	70-130	2	20	
1,1,1-Trichloroethane	27.9	0.50	ug/l	25.0		112	70-130	3	20	
1,1,2-Trichloroethane	24.6	0.50	ug/l	25.0		99	70-130	0.3	20	
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130	1	20	
Trichlorofluoromethane	30.3	0.50	ug/l	25.0		121	78-149	1	20	
1,2,3-Trichloropropane	26.7	1.0	ug/l	25.0		107	70-130	4	20	
1,2,4-Trimethylbenzene	29.0	0.50	ug/l	25.0		116	70-130	4	20	
1,3,5-Trimethylbenzene	29.1	0.50	ug/l	25.0		116	70-130	3	20	
Vinyl Acetate	24.1	1.0	ug/l	25.0		96	57-149	3	21	
Vinyl chloride	26.5	0.50	ug/l	25.0		106	66-134	2	20	
Xylenes, Total	50.6	1.5	ug/l	50.0		101	70-130	4	20	
Surrogate: Dibromofluoromethane	27.0		ug/l	25.0		108	70-130			
Surrogate: Toluene-d8	26.0		ug/l	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		ug/l	25.0		100	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Analyzed: 06/30/2011 (11F1112-MS1)					Source: PUF1584-11					
Acetone	11.8	10	ug/l	25.0	ND	47	10-150			
Benzene	19.6	0.50	ug/l	25.0	ND	78	70-130			
Bromobenzene	20.0	0.50	ug/l	25.0	ND	80	70-130			
Bromochloromethane	19.0	0.50	ug/l	25.0	ND	76	70-130			
Bromodichloromethane	20.9	0.50	ug/l	25.0	1.66	77	70-130			
Bromoform	17.0	1.0	ug/l	25.0	0.370	66	62-126			
Bromomethane	21.7	1.0	ug/l	25.0	ND	87	55-136			
2-Butanone (MEK)	15.9	2.5	ug/l	25.0	ND	63	22-150			
n-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
sec-Butylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
tert-Butylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Carbon disulfide	25.7	0.50	ug/l	25.0	ND	103	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	91	76-131			
Chlorobenzene	20.1	0.50	ug/l	25.0	ND	80	70-130			
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	24.0	0.50	ug/l	25.0	3.04	84	70-130			
Chloromethane	23.9	1.0	ug/l	25.0	ND	96	50-135			
2-Chlorotoluene	21.1	0.50	ug/l	25.0	ND	84	70-130			
4-Chlorotoluene	21.4	0.50	ug/l	25.0	ND	86	70-130			
Dibromochloromethane	19.7	0.50	ug/l	25.0	0.700	76	70-130			
1,2-Dibromo-3-chloropropane	18.2	2.5	ug/l	25.0	ND	73	60-135			
1,2-Dibromoethane (EDB)	18.2	0.50	ug/l	25.0	ND	73	70-130			
Dibromomethane	17.8	0.50	ug/l	25.0	ND	71	70-130			
1,2-Dichlorobenzene	20.3	0.50	ug/l	25.0	ND	81	70-130			
1,3-Dichlorobenzene	20.5	0.50	ug/l	25.0	ND	82	70-130			
1,4-Dichlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150			
1,1-Dichloroethane	21.1	0.50	ug/l	25.0	0.210	83	70-130			
1,2-Dichloroethane	21.2	0.50	ug/l	25.0	ND	85	68-143			
1,1-Dichloroethene	21.6	0.50	ug/l	25.0	0.490	84	70-130			
cis-1,2-Dichloroethene	19.1	0.50	ug/l	25.0	0.740	73	70-130			
trans-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130			
1,2-Dichloropropane	18.1	0.50	ug/l	25.0	ND	72	70-130			
1,3-Dichloropropane	17.7	0.50	ug/l	25.0	ND	71	70-130			
2,2-Dichloropropane	22.9	1.0	ug/l	25.0	ND	91	66-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Analyzed: 06/30/2011 (11F1112-MS1)					Source: PUF1584-11					
1,1-Dichloropropene	20.4	0.50	ug/l	25.0	ND	82	70-130			
cis-1,3-Dichloropropene	19.5	0.50	ug/l	25.0	ND	78	70-130			
trans-1,3-Dichloropropene	19.0	0.50	ug/l	25.0	ND	76	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	20.4	1.0	ug/l	25.0	ND	82	66-129			
2-Hexanone	16.5	2.5	ug/l	25.0	ND	66	18-150			
Iodomethane	26.2	2.5	ug/l	25.0	ND	105	47-141			
Isopropylbenzene	23.7	0.50	ug/l	25.0	ND	95	78-137			
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Methylene Chloride	18.6	1.0	ug/l	25.0	ND	75	74-132			
4-Methyl-2-pentanone (MIBK)	18.5	2.5	ug/l	25.0	ND	74	56-145			
Methyl-tert-butyl Ether (MTBE)	18.4	0.50	ug/l	25.0	ND	74	67-138			
Naphthalene	19.4	2.5	ug/l	25.0	ND	77	54-135			
n-Propylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.1	0.50	ug/l	25.0	ND	77	51-123			
1,1,1,2-Tetrachloroethane	19.3	0.50	ug/l	25.0	ND	77	70-130			
1,1,2,2-Tetrachloroethane	17.8	0.50	ug/l	25.0	ND	71	69-133			
Tetrachloroethene	22.8	0.50	ug/l	25.0	1.91	84	70-130			
Toluene	18.8	0.50	ug/l	25.0	ND	75	70-130			
1,2,3-Trichlorobenzene	19.5	1.0	ug/l	25.0	ND	78	70-130			
1,2,4-Trichlorobenzene	19.6	1.0	ug/l	25.0	ND	78	66-126			
1,1,1-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	76-132			
1,1,2-Trichloroethane	17.0	0.50	ug/l	25.0	ND	68	70-130			M2
Trichloroethene	24.2	0.50	ug/l	25.0	4.24	80	70-130			
Trichlorofluoromethane	24.2	0.50	ug/l	25.0	ND	97	74-150			
1,2,3-Trichloropropane	19.0	1.0	ug/l	25.0	ND	76	70-130			
1,2,4-Trimethylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
1,3,5-Trimethylbenzene	22.3	0.50	ug/l	25.0	ND	89	61-138			
Vinyl Acetate	17.6	1.0	ug/l	25.0	ND	70	50-150			
Vinyl chloride	22.7	0.50	ug/l	25.0	ND	91	58-139			
Xylenes, Total	40.5	1.5	ug/l	50.0	ND	81	70-130			
Surrogate: Dibromofluoromethane	26.5		ug/l	25.0		106	70-130			
Surrogate: Toluene-d8	25.8		ug/l	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		ug/l	25.0		101	70-130			

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Dup Analyzed: 06/30/2011 (11F1112-MSD1)					Source: PUF1584-11					
Acetone	16.4	10	ug/l	25.0	ND	66	10-150	33	35	
Benzene	25.3	0.50	ug/l	25.0	ND	101	70-130	25	20	RI
Bromobenzene	26.6	0.50	ug/l	25.0	ND	106	70-130	28	20	RI
Bromochloromethane	24.7	0.50	ug/l	25.0	ND	99	70-130	26	20	RI
Bromodichloromethane	28.3	0.50	ug/l	25.0	1.66	106	70-130	30	20	RI
Bromoform	23.9	1.0	ug/l	25.0	0.370	94	62-126	34	20	RI
Bromomethane	26.7	1.0	ug/l	25.0	ND	107	55-136	21	24	
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150	23	31	
n-Butylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-130	27	20	RI
sec-Butylbenzene	28.2	0.50	ug/l	25.0	ND	113	70-130	25	20	RI
tert-Butylbenzene	28.7	0.50	ug/l	25.0	ND	115	70-130	26	20	RI
Carbon disulfide	30.2	0.50	ug/l	25.0	ND	121	56-132	16	20	
Carbon tetrachloride	28.5	0.50	ug/l	25.0	ND	114	76-131	22	20	RI
Chlorobenzene	26.4	0.50	ug/l	25.0	ND	106	70-130	27	20	RI
Chloroethane	23.7	1.0	ug/l	25.0	ND	95	67-134	17	20	
Chloroform	28.9	0.50	ug/l	25.0	3.04	103	70-130	19	20	
Chloromethane	28.8	1.0	ug/l	25.0	ND	115	50-135	19	20	
2-Chlorotoluene	27.6	0.50	ug/l	25.0	ND	111	70-130	27	20	RI
4-Chlorotoluene	27.8	0.50	ug/l	25.0	ND	111	70-130	26	20	RI
Dibromochloromethane	26.7	0.50	ug/l	25.0	0.700	104	70-130	30	20	RI
1,2-Dibromo-3-chloropropane	26.6	2.5	ug/l	25.0	ND	106	60-135	38	29	RI
1,2-Dibromoethane (EDB)	24.8	0.50	ug/l	25.0	ND	99	70-130	30	20	RI
Dibromomethane	24.1	0.50	ug/l	25.0	ND	96	70-130	30	20	RI
1,2-Dichlorobenzene	26.6	0.50	ug/l	25.0	ND	106	70-130	27	20	RI
1,3-Dichlorobenzene	26.8	0.50	ug/l	25.0	ND	107	70-130	26	20	RI
1,4-Dichlorobenzene	26.7	0.50	ug/l	25.0	ND	107	70-130	27	20	RI
Dichlorodifluoromethane	26.1	0.50	ug/l	25.0	ND	105	36-150	16	22	
1,1-Dichloroethane	25.8	0.50	ug/l	25.0	0.210	102	70-130	20	20	
1,2-Dichloroethane	27.3	0.50	ug/l	25.0	ND	109	68-143	25	20	RI
1,1-Dichloroethene	25.4	0.50	ug/l	25.0	0.490	100	70-130	16	20	
cis-1,2-Dichloroethene	23.8	0.50	ug/l	25.0	0.740	92	70-130	22	20	RI
trans-1,2-Dichloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	21	20	RI
1,2-Dichloropropane	24.5	0.50	ug/l	25.0	ND	98	70-130	30	20	RI
1,3-Dichloropropane	24.4	0.50	ug/l	25.0	ND	97	70-130	31	20	RI
2,2-Dichloropropane	28.3	1.0	ug/l	25.0	ND	113	66-130	21	20	RI

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F1112 Extracted: 06/30/11										
Matrix Spike Dup Analyzed: 06/30/2011 (11F1112-MSD1)					Source: PUF1584-11					
1,1-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	70-130	23	20	RI
cis-1,3-Dichloropropene	25.9	0.50	ug/l	25.0	ND	103	70-130	28	20	RI
trans-1,3-Dichloropropene	26.0	0.50	ug/l	25.0	ND	104	71-132	31	20	RI
Ethylbenzene	27.1	0.50	ug/l	25.0	ND	108	70-130	22	20	RI
Hexachlorobutadiene	25.7	1.0	ug/l	25.0	ND	103	66-129	23	21	RI
2-Hexanone	23.8	2.5	ug/l	25.0	ND	95	18-150	36	25	RI
Iodomethane	31.5	2.5	ug/l	25.0	ND	126	47-141	18	29	
Isopropylbenzene	29.8	0.50	ug/l	25.0	ND	119	78-137	23	20	RI
p-Isopropyltoluene	28.0	0.50	ug/l	25.0	ND	112	70-130	25	20	RI
Methylene Chloride	23.7	1.0	ug/l	25.0	ND	95	74-132	24	20	RI
4-Methyl-2-pentanone (MIBK)	26.4	2.5	ug/l	25.0	ND	105	56-145	35	26	RI
Methyl-tert-butyl Ether (MTBE)	24.1	0.50	ug/l	25.0	ND	96	67-138	27	21	RI
Naphthalene	26.2	2.5	ug/l	25.0	ND	105	54-135	30	33	
n-Propylbenzene	29.0	0.50	ug/l	25.0	ND	116	70-130	27	20	RI
Styrene	24.7	0.50	ug/l	25.0	ND	99	51-123	25	21	RI
1,1,1,2-Tetrachloroethane	25.4	0.50	ug/l	25.0	ND	102	70-130	27	20	RI
1,1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0	ND	99	69-133	33	20	RI
Tetrachloroethene	27.6	0.50	ug/l	25.0	1.91	103	70-130	19	20	
Toluene	26.1	0.50	ug/l	25.0	ND	104	70-130	32	20	RI
1,2,3-Trichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	70-130	31	20	RI
1,2,4-Trichlorobenzene	26.7	1.0	ug/l	25.0	ND	107	66-126	31	20	RI
1,1,1-Trichloroethane	28.2	0.50	ug/l	25.0	ND	113	76-132	22	20	RI
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	70-130	31	20	RI
Trichloroethene	30.2	0.50	ug/l	25.0	4.24	104	70-130	22	20	RI
Trichlorofluoromethane	28.5	0.50	ug/l	25.0	ND	114	74-150	16	20	
1,2,3-Trichloropropane	25.6	1.0	ug/l	25.0	ND	103	70-130	30	20	RI
1,2,4-Trimethylbenzene	28.4	0.50	ug/l	25.0	ND	113	70-130	25	20	RI
1,3,5-Trimethylbenzene	28.9	0.50	ug/l	25.0	ND	115	61-138	26	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	31	23	RI
Vinyl chloride	26.7	0.50	ug/l	25.0	ND	107	58-139	16	21	
Xylenes, Total	52.2	1.5	ug/l	50.0	ND	104	70-130	25	20	RI
Surrogate: Dibromofluoromethane	25.6		ug/l	25.0		103	70-130			
Surrogate: Toluene-d8	25.6		ug/l	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		ug/l	25.0		100	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

DATA QUALIFIERS AND DEFINITIONS

M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1 See case narrative.
R1 The RPD/RSD exceeded the method acceptance limit.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1619

Sampled: 06/28/11
Received: 06/28/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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PUF1619 <Page 46 of 46>

TAL-0013-550 (10/10)

☒ Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
☐ Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
☐ Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain-of-custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.2⁵ C

LABORATORY REPORT

Prepared For: Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project: PO #802.10 June 2011

Sampled: 06/29/11
Received: 06/29/11
Issued: 07/11/11 12:31

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUF1729-01
PUF1729-02
PUF1729-03
PUF1729-04

CLIENT ID

TB
W-1
W-18
Duplicate E

MATRIX

Water
Water
Water
Water

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

L3 EPA 8260B:Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

R1 EPA 8260B:The RPD exceeded the acceptance limit.

N1 EPA 8260B:The samples were first analyzed with Bromomethane failing low in the CCV. PUF1729-01 is a tripblank with only one vial. PUF1729-02 vial B and C were spiked and used as MS/MSD for the first analysis. Vial A was re-analyzed with headspace.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

Carlene McCutcheon

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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PUF1729 <Page 2 of 36>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-01 (TB - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11G0018	10	ND	1	7/1/2011	7/1/2011	
Benzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromodichloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromoform	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Butanone (MEK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
sec-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
tert-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon disulfide	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon tetrachloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chloroethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Chloroform	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chloromethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
4-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromomethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,4-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dichlorodifluoromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1-Dichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1-Dichloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
cis-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
trans-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
2,2-Dichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
cis-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
trans-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Hexachlorobutadiene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Hexanone	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-01 (TB - Water) - cont.								
Reporting Units: ug/l								
Iodomethane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Isopropylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
p-Isopropyltoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Methylene Chloride	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Naphthalene	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Propylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Styrene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Tetrachloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Toluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1,1-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1,2-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Trichloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Trichlorofluoromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2,3-Trichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Vinyl Acetate	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Vinyl chloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11G0018	1.5	ND	1	7/1/2011	7/1/2011	
Surrogate: Dibromofluoromethane (70-130%)				106 %				
Surrogate: Toluene-d8 (70-130%)				105 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				102 %				

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-01RE1 (TB - Water) - cont.								N1
Reporting Units: ug/l								
Bromomethane	EPA 8260B	11G0100	1.0	ND	1	7/6/2011	7/6/2011	
Surrogate: Dibromofluoromethane (70-130%)				92 %				
Surrogate: Toluene-d8 (70-130%)				111 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				97 %				

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Carlene McCutcheon
Project Manager

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PUF1729 <Page 5 of 36>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-02 (W-1 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11G0018	10	ND	1	7/1/2011	7/1/2011	
Benzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromodichloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromoform	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Butanone (MEK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
sec-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
tert-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon disulfide	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon tetrachloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chloroethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Chloroform	EPA 8260B	11G0018	0.50	2.3	1	7/1/2011	7/1/2011	
Chloromethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
4-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromomethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,4-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dichlorodifluoromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1-Dichloroethane	EPA 8260B	11G0018	0.50	3.2	1	7/1/2011	7/1/2011	
1,2-Dichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1-Dichloroethene	EPA 8260B	11G0018	0.50	4.4	1	7/1/2011	7/1/2011	
cis-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	12	1	7/1/2011	7/1/2011	
trans-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
2,2-Dichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
cis-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
trans-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Hexachlorobutadiene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Hexanone	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-02 (W-1 - Water) - cont.								
Reporting Units: ug/l								
Iodomethane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Isopropylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
p-Isopropyltoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Methylene Chloride	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Naphthalene	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Propylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Styrene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Tetrachloroethene	EPA 8260B	11G0018	0.50	3.9	1	7/1/2011	7/1/2011	
Toluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1,1-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1,2-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Trichloroethene	EPA 8260B	11G0018	0.50	71	1	7/1/2011	7/1/2011	M2
Trichlorofluoromethane	EPA 8260B	11G0018	0.50	0.82	1	7/1/2011	7/1/2011	
1,2,3-Trichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Vinyl Acetate	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Vinyl chloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11G0018	1.5	ND	1	7/1/2011	7/1/2011	
Surrogate: Dibromofluoromethane (70-130%)				109 %				
Surrogate: Toluene-d8 (70-130%)				104 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				104 %				

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-02RE1 (W-1 - Water) - cont.								N1
Reporting Units: ug/l								
Bromomethane	EPA 8260B	11G0100	1.0	ND	1	7/6/2011	7/6/2011	
Surrogate: Dibromofluoromethane (70-130%)				98 %				
Surrogate: Toluene-d8 (70-130%)				112 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				99 %				

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Project Manager

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PUF1729 <Page 8 of 36>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-03 (W-18 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11G0018	10	ND	1	7/1/2011	7/1/2011	
Benzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromodichloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromoform	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Butanone (MEK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
sec-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
tert-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon disulfide	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon tetrachloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chloroethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Chloroform	EPA 8260B	11G0018	0.50	2.1	1	7/1/2011	7/1/2011	
Chloromethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
4-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromomethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,4-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dichlorodifluoromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1-Dichloroethane	EPA 8260B	11G0018	0.50	2.9	1	7/1/2011	7/1/2011	
1,2-Dichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1-Dichloroethene	EPA 8260B	11G0018	0.50	3.2	1	7/1/2011	7/1/2011	
cis-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	12	1	7/1/2011	7/1/2011	
trans-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
2,2-Dichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
cis-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
trans-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Hexachlorobutadiene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Hexanone	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-03 (W-18 - Water) - cont.								
Reporting Units: ug/l								
Iodomethane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Isopropylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
p-Isopropyltoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Methylene Chloride	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Naphthalene	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Propylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Styrene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Tetrachloroethene	EPA 8260B	11G0018	0.50	2.9	1	7/1/2011	7/1/2011	
Toluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1,1-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1,2-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Trichloroethene	EPA 8260B	11G0018	0.50	61	1	7/1/2011	7/1/2011	
Trichlorofluoromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2,3-Trichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Vinyl Acetate	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Vinyl chloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11G0018	1.5	ND	1	7/1/2011	7/1/2011	
Surrogate: Dibromofluoromethane (70-130%)				112 %				
Surrogate: Toluene-d8 (70-130%)				105 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				101 %				

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Carlene McCutcheon
Project Manager

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PUF1729 <Page 10 of 36>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-03RE1 (W-18 - Water) - cont.								
Reporting Units: ug/l								
Bromomethane	EPA 8260B	11G0100	1.0	ND	1	7/6/2011	7/6/2011	
Surrogate: Dibromofluoromethane (70-130%)				100 %				
Surrogate: Toluene-d8 (70-130%)				112 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				99 %				

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-04 (Duplicate E - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11G0018	10	ND	1	7/1/2011	7/1/2011	
Benzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromodichloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Bromoform	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Butanone (MEK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
sec-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
tert-Butylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon disulfide	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Carbon tetrachloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Chloroethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Chloroform	EPA 8260B	11G0018	0.50	2.2	1	7/1/2011	7/1/2011	
Chloromethane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
4-Chlorotoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromochloromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dibromomethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,4-Dichlorobenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Dichlorodifluoromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1-Dichloroethane	EPA 8260B	11G0018	0.50	3.0	1	7/1/2011	7/1/2011	
1,2-Dichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	V1
1,1-Dichloroethene	EPA 8260B	11G0018	0.50	3.2	1	7/1/2011	7/1/2011	
cis-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	12	1	7/1/2011	7/1/2011	
trans-1,2-Dichloroethene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3-Dichloropropane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
2,2-Dichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
cis-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
trans-1,3-Dichloropropene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Ethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Hexachlorobutadiene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
2-Hexanone	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-04 (Duplicate E - Water) - cont.								
Reporting Units: ug/l								
Iodomethane	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Isopropylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
p-Isopropyltoluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Methylene Chloride	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Naphthalene	EPA 8260B	11G0018	2.5	ND	1	7/1/2011	7/1/2011	
n-Propylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Styrene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Tetrachloroethene	EPA 8260B	11G0018	0.50	3.0	1	7/1/2011	7/1/2011	
Toluene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,1,1-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	VI
1,1,2-Trichloroethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Trichloroethene	EPA 8260B	11G0018	0.50	61	1	7/1/2011	7/1/2011	
Trichlorofluoromethane	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,2,3-Trichloropropane	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Vinyl Acetate	EPA 8260B	11G0018	1.0	ND	1	7/1/2011	7/1/2011	
Vinyl chloride	EPA 8260B	11G0018	0.50	ND	1	7/1/2011	7/1/2011	
Xylenes, Total	EPA 8260B	11G0018	1.5	ND	1	7/1/2011	7/1/2011	
Surrogate: Dibromofluoromethane (70-130%)				111 %				
Surrogate: Toluene-d8 (70-130%)				105 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				102 %				

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUF1729-04RE1 (Duplicate E - Water) - cont.								
Reporting Units: ug/l								
Bromomethane	EPA 8260B	11G0100	1.0	ND	1	7/6/2011	7/6/2011	
Surrogate: Dibromofluoromethane (70-130%)				97 %				
Surrogate: Toluene-d8 (70-130%)				112 %				
Surrogate: 4-Bromofluorobenzene (70-130%)				98 %				

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
Blank Analyzed: 07/01/2011 (11G0018-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	0.50	ug/l							

VI

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
Blank Analyzed: 07/01/2011 (11G0018-BLK1)										
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							VI
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Surrogate: Dibromofluoromethane	26.8		ug/l	25.0		107	70-130			
Surrogate: Toluene-d8	25.3		ug/l	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.6		ug/l	25.0		103	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
LCS Analyzed: 07/01/2011 (11G0018-BS1)										
Acetone	21.4	10	ug/l	25.0		86	30-150			
Benzene	23.1	0.50	ug/l	25.0		92	70-130			
Bromobenzene	24.8	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130			
Bromodichloromethane	27.3	0.50	ug/l	25.0		109	70-130			
Bromoform	23.6	1.0	ug/l	25.0		94	67-122			
2-Butanone (MEK)	23.9	2.5	ug/l	25.0		96	48-150			
n-Butylbenzene	28.3	0.50	ug/l	25.0		113	70-130			
sec-Butylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
tert-Butylbenzene	26.2	0.50	ug/l	25.0		105	70-130			
Carbon disulfide	27.6	0.50	ug/l	25.0		110	61-126			
Carbon tetrachloride	29.1	0.50	ug/l	25.0		116	70-130			
Chlorobenzene	25.7	0.50	ug/l	25.0		103	70-130			
Chloroethane	23.3	1.0	ug/l	25.0		93	69-128			
Chloroform	27.1	0.50	ug/l	25.0		108	70-130			
Chloromethane	23.4	1.0	ug/l	25.0		94	56-131			
2-Chlorotoluene	26.8	0.50	ug/l	25.0		107	70-130			
4-Chlorotoluene	27.4	0.50	ug/l	25.0		110	70-130			
Dibromochloromethane	26.4	0.50	ug/l	25.0		106	70-130			
1,2-Dibromo-3-chloropropane	28.8	2.5	ug/l	25.0		115	63-129			
1,2-Dibromoethane (EDB)	25.5	0.50	ug/l	25.0		102	70-130			
Dibromomethane	24.5	0.50	ug/l	25.0		98	70-130			
1,2-Dichlorobenzene	26.6	0.50	ug/l	25.0		106	70-130			
1,3-Dichlorobenzene	25.6	0.50	ug/l	25.0		103	70-130			
1,4-Dichlorobenzene	26.6	0.50	ug/l	25.0		106	70-130			
Dichlorodifluoromethane	23.9	0.50	ug/l	25.0		96	42-150			
1,1-Dichloroethane	25.2	0.50	ug/l	25.0		101	70-130			
1,2-Dichloroethane	30.0	0.50	ug/l	25.0		120	72-133			VI
1,1-Dichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
cis-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	23.4	0.50	ug/l	25.0		94	70-130			
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		93	70-130			
1,3-Dichloropropane	24.6	0.50	ug/l	25.0		98	70-130			
2,2-Dichloropropane	28.0	1.0	ug/l	25.0		112	70-130			
1,1-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
LCS Analyzed: 07/01/2011 (11G0018-BS1)										
cis-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		103	70-130			
trans-1,3-Dichloropropene	27.7	0.50	ug/l	25.0		111	70-130			
Ethylbenzene	26.9	0.50	ug/l	25.0		108	70-130			
Hexachlorobutadiene	27.7	1.0	ug/l	25.0		111	70-130			
2-Hexanone	24.7	2.5	ug/l	25.0		99	44-150			
Iodomethane	26.7	2.5	ug/l	25.0		107	58-138			
Isopropylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	27.6	0.50	ug/l	25.0		110	70-130			
Methylene Chloride	23.4	1.0	ug/l	25.0		94	70-130			
4-Methyl-2-pentanone (MIBK)	28.3	2.5	ug/l	25.0		113	61-142			
Methyl-tert-butyl Ether (MTBE)	26.3	0.50	ug/l	25.0		105	70-130			
Naphthalene	27.2	2.5	ug/l	25.0		109	65-129			
n-Propylbenzene	27.0	0.50	ug/l	25.0		108	70-130			
Styrene	24.9	0.50	ug/l	25.0		100	70-130			
1,1,1,2-Tetrachloroethane	25.6	0.50	ug/l	25.0		102	70-130			
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0		97	70-130			
Tetrachloroethene	25.0	0.50	ug/l	25.0		100	70-130			
Toluene	24.8	0.50	ug/l	25.0		99	70-130			
1,2,3-Trichlorobenzene	28.0	1.0	ug/l	25.0		112	70-130			
1,2,4-Trichlorobenzene	27.6	1.0	ug/l	25.0		110	70-130			
1,1,1-Trichloroethane	28.8	0.50	ug/l	25.0		115	70-130			VI
1,1,2-Trichloroethane	24.7	0.50	ug/l	25.0		99	70-130			
Trichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
Trichlorofluoromethane	29.6	0.50	ug/l	25.0		118	78-149			
1,2,3-Trichloropropane	26.7	1.0	ug/l	25.0		107	70-130			
1,2,4-Trimethylbenzene	28.3	0.50	ug/l	25.0		113	70-130			
1,3,5-Trimethylbenzene	26.9	0.50	ug/l	25.0		107	70-130			
Vinyl Acetate	24.9	1.0	ug/l	25.0		100	57-149			
Vinyl chloride	25.2	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	51.2	1.5	ug/l	50.0		102	70-130			
Surrogate: Dibromofluoromethane	26.9		ug/l	25.0		107	70-130			
Surrogate: Toluene-d8	26.1		ug/l	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	27.1		ug/l	25.0		109	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
LCS Dup Analyzed: 07/01/2011 (11G0018-BSD1)										
Acetone	18.5	10	ug/l	25.0		74	30-150	15	35	
Benzene	24.8	0.50	ug/l	25.0		99	70-130	7	20	
Bromobenzene	27.9	0.50	ug/l	25.0		112	70-130	12	20	
Bromochloromethane	24.5	0.50	ug/l	25.0		98	70-130	3	20	
Bromodichloromethane	27.8	0.50	ug/l	25.0		111	70-130	2	20	
Bromoform	25.8	1.0	ug/l	25.0		103	67-122	9	20	
2-Butanone (MEK)	22.3	2.5	ug/l	25.0		89	48-150	7	33	
n-Butylbenzene	29.4	0.50	ug/l	25.0		118	70-130	4	20	
sec-Butylbenzene	27.4	0.50	ug/l	25.0		110	70-130	2	20	
tert-Butylbenzene	28.4	0.50	ug/l	25.0		114	70-130	8	20	
Carbon disulfide	28.3	0.50	ug/l	25.0		113	61-126	3	20	
Carbon tetrachloride	29.4	0.50	ug/l	25.0		118	70-130	1	20	
Chlorobenzene	26.4	0.50	ug/l	25.0		106	70-130	3	20	
Chloroethane	23.8	1.0	ug/l	25.0		95	69-128	2	20	
Chloroform	26.6	0.50	ug/l	25.0		106	70-130	2	20	
Chloromethane	24.9	1.0	ug/l	25.0		100	56-131	6	20	
2-Chlorotoluene	28.5	0.50	ug/l	25.0		114	70-130	6	20	
4-Chlorotoluene	29.5	0.50	ug/l	25.0		118	70-130	7	20	
Dibromochloromethane	27.3	0.50	ug/l	25.0		109	70-130	3	20	
1,2-Dibromo-3-chloropropane	30.4	2.5	ug/l	25.0		122	63-129	5	25	
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0		104	70-130	1	20	
Dibromomethane	25.1	0.50	ug/l	25.0		101	70-130	2	20	
1,2-Dichlorobenzene	27.2	0.50	ug/l	25.0		109	70-130	2	20	
1,3-Dichlorobenzene	27.6	0.50	ug/l	25.0		111	70-130	8	20	
1,4-Dichlorobenzene	27.4	0.50	ug/l	25.0		110	70-130	3	20	
Dichlorodifluoromethane	23.5	0.50	ug/l	25.0		94	42-150	2	20	
1,1-Dichloroethane	24.9	0.50	ug/l	25.0		100	70-130	0.9	20	
1,2-Dichloroethane	29.9	0.50	ug/l	25.0		120	72-133	0.2	20	VI
1,1-Dichloroethene	24.3	0.50	ug/l	25.0		97	70-130	2	20	
cis-1,2-Dichloroethene	23.1	0.50	ug/l	25.0		93	70-130	0.8	20	
trans-1,2-Dichloroethene	24.2	0.50	ug/l	25.0		97	70-130	3	20	
1,2-Dichloropropane	24.4	0.50	ug/l	25.0		98	70-130	4	20	
1,3-Dichloropropane	25.2	0.50	ug/l	25.0		101	70-130	2	20	
2,2-Dichloropropane	26.9	1.0	ug/l	25.0		107	70-130	4	20	
1,1-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130	0.2	20	

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
LCS Dup Analyzed: 07/01/2011 (11G0018-BSD1)										
cis-1,3-Dichloropropene	26.6	0.50	ug/l	25.0		107	70-130	3	20	
trans-1,3-Dichloropropene	27.7	0.50	ug/l	25.0		111	70-130	0.2	20	
Ethylbenzene	28.0	0.50	ug/l	25.0		112	70-130	4	20	
Hexachlorobutadiene	29.5	1.0	ug/l	25.0		118	70-130	6	20	
2-Hexanone	26.3	2.5	ug/l	25.0		105	44-150	6	31	
Iodomethane	29.7	2.5	ug/l	25.0		119	58-138	10	25	
Isopropylbenzene	29.4	0.50	ug/l	25.0		117	70-130	5	20	
p-Isopropyltoluene	29.1	0.50	ug/l	25.0		116	70-130	5	20	
Methylene Chloride	23.7	1.0	ug/l	25.0		95	70-130	1	20	
4-Methyl-2-pentanone (MIBK)	29.1	2.5	ug/l	25.0		116	61-142	3	22	
Methyl-tert-butyl Ether (MTBE)	25.7	0.50	ug/l	25.0		103	70-130	2	20	
Naphthalene	29.3	2.5	ug/l	25.0		117	65-129	8	20	
n-Propylbenzene	29.5	0.50	ug/l	25.0		118	70-130	9	20	
Styrene	26.0	0.50	ug/l	25.0		104	70-130	4	20	
1,1,1,2-Tetrachloroethane	26.1	0.50	ug/l	25.0		104	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.4	0.50	ug/l	25.0		106	70-130	9	20	
Tetrachloroethene	25.8	0.50	ug/l	25.0		103	70-130	3	20	
Toluene	25.6	0.50	ug/l	25.0		102	70-130	3	20	
1,2,3-Trichlorobenzene	30.1	1.0	ug/l	25.0		120	70-130	7	20	
1,2,4-Trichlorobenzene	29.6	1.0	ug/l	25.0		119	70-130	7	20	
1,1,1-Trichloroethane	28.1	0.50	ug/l	25.0		113	70-130	2	20	
1,1,2-Trichloroethane	24.8	0.50	ug/l	25.0		99	70-130	0.5	20	
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130	3	20	
Trichlorofluoromethane	29.3	0.50	ug/l	25.0		117	78-149	0.8	20	
1,2,3-Trichloropropane	28.0	1.0	ug/l	25.0		112	70-130	5	20	
1,2,4-Trimethylbenzene	29.3	0.50	ug/l	25.0		117	70-130	3	20	
1,3,5-Trimethylbenzene	30.0	0.50	ug/l	25.0		120	70-130	11	20	
Vinyl Acetate	24.4	1.0	ug/l	25.0		98	57-149	2	21	
Vinyl chloride	24.8	0.50	ug/l	25.0		99	66-134	2	20	
Xylenes, Total	53.0	1.5	ug/l	50.0		106	70-130	3	20	
Surrogate: Dibromofluoromethane	26.3		ug/l	25.0		105	70-130			
Surrogate: Toluene-d8	25.8		ug/l	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		ug/l	25.0		100	70-130			

VI

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
Matrix Spike Analyzed: 07/01/2011 (11G0018-MS1)				Source: PUF1729-02						
Acetone	14.5	10	ug/l	25.0	ND	58	10-150			
Benzene	21.1	0.50	ug/l	25.0	ND	85	70-130			
Bromobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
Bromodichloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Bromoform	20.1	1.0	ug/l	25.0	ND	80	62-126			
2-Butanone (MEK)	17.4	2.5	ug/l	25.0	ND	70	22-150			
n-Butylbenzene	24.9	0.50	ug/l	25.0	ND	99	70-130			
sec-Butylbenzene	24.4	0.50	ug/l	25.0	ND	98	70-130			
tert-Butylbenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
Carbon disulfide	24.5	0.50	ug/l	25.0	ND	98	56-132			
Carbon tetrachloride	24.9	0.50	ug/l	25.0	ND	100	76-131			
Chlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130			
Chloroethane	20.6	1.0	ug/l	25.0	ND	82	67-134			
Chloroform	24.9	0.50	ug/l	25.0	2.31	90	70-130			
Chloromethane	21.4	1.0	ug/l	25.0	ND	85	50-135			
2-Chlorotoluene	23.8	0.50	ug/l	25.0	ND	95	70-130			
4-Chlorotoluene	24.6	0.50	ug/l	25.0	ND	98	70-130			
Dibromochloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0	ND	89	60-135			
1,2-Dibromoethane (EDB)	21.2	0.50	ug/l	25.0	ND	85	70-130			
Dibromomethane	19.9	0.50	ug/l	25.0	ND	80	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,3-Dichlorobenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
1,4-Dichlorobenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Dichlorodifluoromethane	15.5	0.50	ug/l	25.0	ND	62	36-150			
1,1-Dichloroethane	24.4	0.50	ug/l	25.0	3.24	85	70-130			
1,2-Dichloroethane	24.5	0.50	ug/l	25.0	ND	98	68-143			VI
1,1-Dichloroethene	25.4	0.50	ug/l	25.0	4.41	84	70-130			
cis-1,2-Dichloroethene	31.1	0.50	ug/l	25.0	12.3	75	70-130			
trans-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	ND	85	70-130			
1,2-Dichloropropane	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	85	70-130			
2,2-Dichloropropane	24.3	1.0	ug/l	25.0	ND	97	66-130			
1,1-Dichloropropene	21.5	0.50	ug/l	25.0	ND	86	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
Matrix Spike Analyzed: 07/01/2011 (11G0018-MS1)					Source: PUF1729-02					
cis-1,3-Dichloropropene	21.5	0.50	ug/l	25.0	ND	86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0	ND	89	71-132			
Ethylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
Hexachlorobutadiene	24.0	1.0	ug/l	25.0	ND	96	66-129			
2-Hexanone	20.2	2.5	ug/l	25.0	ND	81	18-150			
Iodomethane	24.9	2.5	ug/l	25.0	ND	100	47-141			
Isopropylbenzene	25.6	0.50	ug/l	25.0	ND	102	78-137			
p-Isopropyltoluene	24.9	0.50	ug/l	25.0	ND	100	70-130			
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132			
4-Methyl-2-pentanone (MIBK)	21.3	2.5	ug/l	25.0	ND	85	56-145			
Methyl-tert-butyl Ether (MTBE)	21.2	0.50	ug/l	25.0	ND	85	67-138			
Naphthalene	22.9	2.5	ug/l	25.0	ND	92	54-135			
n-Propylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Styrene	21.2	0.50	ug/l	25.0	ND	85	51-123			
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,1,2,2-Tetrachloroethane	20.4	0.50	ug/l	25.0	ND	81	69-133			
Tetrachloroethene	26.4	0.50	ug/l	25.0	3.90	90	70-130			
Toluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	66-126			
1,1,1-Trichloroethane	24.5	0.50	ug/l	25.0	ND	98	76-132			V1
1,1,2-Trichloroethane	20.0	0.50	ug/l	25.0	ND	80	70-130			
Trichloroethene	82.8	0.50	ug/l	25.0	71.1	47	70-130			M2
Trichlorofluoromethane	24.9	0.50	ug/l	25.0	0.820	96	74-150			
1,2,3-Trichloropropane	21.2	1.0	ug/l	25.0	ND	85	70-130			
1,2,4-Trimethylbenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
1,3,5-Trimethylbenzene	24.9	0.50	ug/l	25.0	ND	100	61-138			
Vinyl Acetate	19.0	1.0	ug/l	25.0	ND	76	50-150			
Vinyl chloride	21.0	0.50	ug/l	25.0	ND	84	58-139			
Xylenes, Total	44.8	1.5	ug/l	50.0	ND	90	70-130			
Surrogate: Dibromofluoromethane	26.7		ug/l	25.0		107	70-130			
Surrogate: Toluene-d8	25.1		ug/l	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		ug/l	25.0		103	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
Matrix Spike Dup Analyzed: 07/01/2011 (11G0018-MSD1)					Source: PUF1729-02					
Acetone	15.8	10	ug/l	25.0	ND	63	10-150	9	35	
Benzene	22.3	0.50	ug/l	25.0	ND	89	70-130	5	20	
Bromobenzene	23.9	0.50	ug/l	25.0	ND	95	70-130	5	20	
Bromochloromethane	22.3	0.50	ug/l	25.0	ND	89	70-130	6	20	
Bromodichloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130	6	20	
Bromoform	21.6	1.0	ug/l	25.0	ND	87	62-126	7	20	
2-Butanone (MEK)	18.4	2.5	ug/l	25.0	ND	73	22-150	5	31	
n-Butylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130	2	20	
sec-Butylbenzene	25.7	0.50	ug/l	25.0	ND	103	70-130	5	20	
tert-Butylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	5	20	
Carbon disulfide	26.2	0.50	ug/l	25.0	ND	105	56-132	7	20	
Carbon tetrachloride	26.4	0.50	ug/l	25.0	ND	106	76-131	6	20	
Chlorobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130	5	20	
Chloroethane	20.9	1.0	ug/l	25.0	ND	84	67-134	1	20	
Chloroform	26.5	0.50	ug/l	25.0	2.31	97	70-130	6	20	
Chloromethane	21.5	1.0	ug/l	25.0	ND	86	50-135	0.6	20	
2-Chlorotoluene	25.5	0.50	ug/l	25.0	ND	102	70-130	7	20	
4-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	102	70-130	3	20	
Dibromochloromethane	24.0	0.50	ug/l	25.0	ND	96	70-130	5	20	
1,2-Dibromo-3-chloropropane	24.2	2.5	ug/l	25.0	ND	97	60-135	8	29	
1,2-Dibromoethane (EDB)	22.6	0.50	ug/l	25.0	ND	90	70-130	6	20	
Dibromomethane	21.9	0.50	ug/l	25.0	ND	88	70-130	10	20	
1,2-Dichlorobenzene	24.2	0.50	ug/l	25.0	ND	97	70-130	10	20	
1,3-Dichlorobenzene	24.1	0.50	ug/l	25.0	ND	97	70-130	4	20	
1,4-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	2	20	
Dichlorodifluoromethane	16.3	0.50	ug/l	25.0	ND	65	36-150	5	22	
1,1-Dichloroethane	25.9	0.50	ug/l	25.0	3.24	91	70-130	6	20	
1,2-Dichloroethane	25.3	0.50	ug/l	25.0	ND	101	68-143	3	20	VI
1,1-Dichloroethene	26.4	0.50	ug/l	25.0	4.41	88	70-130	4	20	
cis-1,2-Dichloroethene	32.6	0.50	ug/l	25.0	12.3	81	70-130	5	20	
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130	5	20	
1,2-Dichloropropane	22.2	0.50	ug/l	25.0	ND	89	70-130	9	20	
1,3-Dichloropropane	22.1	0.50	ug/l	25.0	ND	88	70-130	4	20	
2,2-Dichloropropane	24.9	1.0	ug/l	25.0	ND	100	66-130	2	20	
1,1-Dichloropropene	22.9	0.50	ug/l	25.0	ND	91	70-130	6	20	

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0018 Extracted: 07/01/11										
Matrix Spike Dup Analyzed: 07/01/2011 (11G0018-MSD1)					Source: PUF1729-02					
cis-1,3-Dichloropropene	23.6	0.50	ug/l	25.0	ND	95	70-130	9	20	
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132	10	20	
Ethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	6	20	
Hexachlorobutadiene	25.0	1.0	ug/l	25.0	ND	100	66-129	4	21	
2-Hexanone	21.3	2.5	ug/l	25.0	ND	85	18-150	6	25	
Iodomethane	26.6	2.5	ug/l	25.0	ND	106	47-141	7	29	
Isopropylbenzene	27.2	0.50	ug/l	25.0	ND	109	78-137	6	20	
p-Isopropyltoluene	25.5	0.50	ug/l	25.0	ND	102	70-130	2	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	5	20	
4-Methyl-2-pentanone (MIBK)	23.9	2.5	ug/l	25.0	ND	95	56-145	11	26	
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138	5	21	
Naphthalene	24.2	2.5	ug/l	25.0	ND	97	54-135	5	33	
n-Propylbenzene	25.9	0.50	ug/l	25.0	ND	104	70-130	7	20	
Styrene	22.4	0.50	ug/l	25.0	ND	90	51-123	5	21	
1,1,1,2-Tetrachloroethane	23.1	0.50	ug/l	25.0	ND	92	70-130	7	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0	ND	86	69-133	6	20	
Tetrachloroethene	27.2	0.50	ug/l	25.0	3.90	93	70-130	3	20	
Toluene	23.6	0.50	ug/l	25.0	ND	95	70-130	8	20	
1,2,3-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	70-130	6	20	
1,2,4-Trichlorobenzene	25.0	1.0	ug/l	25.0	ND	100	66-126	4	20	
1,1,1-Trichloroethane	25.2	0.50	ug/l	25.0	ND	101	76-132	3	20	V1
1,1,2-Trichloroethane	21.6	0.50	ug/l	25.0	ND	87	70-130	8	20	
Trichloroethene	87.5	0.50	ug/l	25.0	71.1	66	70-130	6	20	M2
Trichlorofluoromethane	25.3	0.50	ug/l	25.0	0.820	98	74-150	2	20	
1,2,3-Trichloropropane	23.6	1.0	ug/l	25.0	ND	95	70-130	11	20	
1,2,4-Trimethylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130	6	20	
1,3,5-Trimethylbenzene	26.2	0.50	ug/l	25.0	ND	105	61-138	5	33	
Vinyl Acetate	20.7	1.0	ug/l	25.0	ND	83	50-150	9	23	
Vinyl chloride	22.0	0.50	ug/l	25.0	ND	88	58-139	5	21	
Xylenes, Total	46.6	1.5	ug/l	50.0	ND	93	70-130	4	20	
Surrogate: Dibromofluoromethane	26.0		ug/l	25.0		104	70-130			
Surrogate: Toluene-d8	27.3		ug/l	25.0		109	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		ug/l	25.0		100	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
Blank Analyzed: 07/06/2011 (11G0100-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							VI
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11									
Blank Analyzed: 07/06/2011 (11G0100-BLK1)									
1,1-Dichloropropene	ND	0.50	ug/l						
cis-1,3-Dichloropropene	ND	0.50	ug/l						
trans-1,3-Dichloropropene	ND	0.50	ug/l						
Ethylbenzene	ND	0.50	ug/l						
Hexachlorobutadiene	ND	1.0	ug/l						
2-Hexanone	ND	2.5	ug/l						
Iodomethane	ND	2.5	ug/l						
Isopropylbenzene	ND	0.50	ug/l						
p-Isopropyltoluene	ND	0.50	ug/l						
Methylene Chloride	ND	1.0	ug/l						
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l						
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l						
Naphthalene	ND	2.5	ug/l						
n-Propylbenzene	ND	0.50	ug/l						
Styrene	ND	0.50	ug/l						
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l						
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l						
Tetrachloroethene	ND	0.50	ug/l						
Toluene	ND	0.50	ug/l						
1,2,3-Trichlorobenzene	ND	1.0	ug/l						
1,2,4-Trichlorobenzene	ND	1.0	ug/l						
1,1,1-Trichloroethane	ND	0.50	ug/l						
1,1,2-Trichloroethane	ND	0.50	ug/l						
Trichloroethene	ND	0.50	ug/l						
Trichlorofluoromethane	ND	0.50	ug/l						
1,2,3-Trichloropropane	ND	1.0	ug/l						
1,2,4-Trimethylbenzene	ND	0.50	ug/l						
1,3,5-Trimethylbenzene	ND	0.50	ug/l						
Vinyl Acetate	ND	1.0	ug/l						
Vinyl chloride	ND	0.50	ug/l						
Xylenes, Total	ND	1.5	ug/l						
Surrogate: Dibromofluoromethane	23.2		ug/l	25.0		93	70-130		
Surrogate: Toluene-d8	26.9		ug/l	25.0		108	70-130		
Surrogate: 4-Bromofluorobenzene	24.0		ug/l	25.0		96	70-130		

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
LCS Analyzed: 07/06/2011 (11G0100-BS1)										
Acetone	46.4	10	ug/l	25.0		186	30-150			L3
Benzene	23.4	0.50	ug/l	25.0		94	70-130			
Bromobenzene	24.6	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	24.1	0.50	ug/l	25.0		96	70-130			
Bromoform	21.5	1.0	ug/l	25.0		86	67-122			
Bromomethane	19.1	1.0	ug/l	25.0		76	64-132			
2-Butanone (MEK)	28.1	2.5	ug/l	25.0		112	48-150			
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
sec-Butylbenzene	24.1	0.50	ug/l	25.0		97	70-130			
tert-Butylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
Carbon disulfide	25.0	0.50	ug/l	25.0		100	61-126			
Carbon tetrachloride	23.9	0.50	ug/l	25.0		96	70-130			
Chlorobenzene	23.9	0.50	ug/l	25.0		96	70-130			
Chloroethane	23.8	1.0	ug/l	25.0		95	69-128			
Chloroform	23.4	0.50	ug/l	25.0		94	70-130			
Chloromethane	21.7	1.0	ug/l	25.0		87	56-131			
2-Chlorotoluene	25.8	0.50	ug/l	25.0		103	70-130			
4-Chlorotoluene	26.8	0.50	ug/l	25.0		107	70-130			
Dibromochloromethane	23.6	0.50	ug/l	25.0		95	70-130			
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129			
1,2-Dibromoethane (EDB)	24.2	0.50	ug/l	25.0		97	70-130			
Dibromomethane	21.9	0.50	ug/l	25.0		88	70-130			
1,2-Dichlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
1,3-Dichlorobenzene	24.7	0.50	ug/l	25.0		99	70-130			
1,4-Dichlorobenzene	24.1	0.50	ug/l	25.0		96	70-130			
Dichlorodifluoromethane	34.5	0.50	ug/l	25.0		138	42-150			VI
1,1-Dichloroethane	23.3	0.50	ug/l	25.0		93	70-130			
1,2-Dichloroethane	23.6	0.50	ug/l	25.0		94	72-133			
1,1-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0		85	70-130			
trans-1,2-Dichloroethene	22.8	0.50	ug/l	25.0		91	70-130			
1,2-Dichloropropane	24.6	0.50	ug/l	25.0		99	70-130			
1,3-Dichloropropane	22.2	0.50	ug/l	25.0		89	70-130			
2,2-Dichloropropane	23.6	1.0	ug/l	25.0		94	70-130			

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Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
LCS Analyzed: 07/06/2011 (11G0100-BS1)										
1,1-Dichloropropene	23.5	0.50	ug/l	25.0		94	70-130			
cis-1,3-Dichloropropene	26.3	0.50	ug/l	25.0		105	70-130			
trans-1,3-Dichloropropene	26.0	0.50	ug/l	25.0		104	70-130			
Ethylbenzene	26.3	0.50	ug/l	25.0		105	70-130			
Hexachlorobutadiene	21.9	1.0	ug/l	25.0		88	70-130			
2-Hexanone	35.6	2.5	ug/l	25.0		143	44-150			
Iodomethane	21.2	2.5	ug/l	25.0		85	58-138			
Isopropylbenzene	23.9	0.50	ug/l	25.0		96	70-130			
p-Isopropyltoluene	25.2	0.50	ug/l	25.0		101	70-130			
Methylene Chloride	22.1	1.0	ug/l	25.0		89	70-130			
4-Methyl-2-pentanone (MIBK)	28.9	2.5	ug/l	25.0		116	61-142			
Methyl-tert-butyl Ether (MTBE)	23.3	0.50	ug/l	25.0		93	70-130			
Naphthalene	23.6	2.5	ug/l	25.0		94	65-129			
n-Propylbenzene	24.0	0.50	ug/l	25.0		96	70-130			
Styrene	20.5	0.50	ug/l	25.0		82	70-130			
1,1,1,2-Tetrachloroethane	24.1	0.50	ug/l	25.0		96	70-130			
1,1,2,2-Tetrachloroethane	24.4	0.50	ug/l	25.0		98	70-130			
Tetrachloroethene	23.1	0.50	ug/l	25.0		93	70-130			
Toluene	25.8	0.50	ug/l	25.0		103	70-130			
1,2,3-Trichlorobenzene	22.6	1.0	ug/l	25.0		90	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,1,1-Trichloroethane	24.0	0.50	ug/l	25.0		96	70-130			
1,1,2-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
Trichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
Trichlorofluoromethane	24.8	0.50	ug/l	25.0		99	78-149			
1,2,3-Trichloropropane	24.2	1.0	ug/l	25.0		97	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	22.7	0.50	ug/l	25.0		91	70-130			
Vinyl Acetate	21.5	1.0	ug/l	25.0		86	57-149			
Vinyl chloride	25.8	0.50	ug/l	25.0		103	66-134			
Xylenes, Total	47.7	1.5	ug/l	50.0		95	70-130			
Surrogate: Dibromofluoromethane	23.8		ug/l	25.0		95	70-130			
Surrogate: Toluene-d8	27.7		ug/l	25.0		111	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		ug/l	25.0		102	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 11G0100 Extracted: 07/06/11</u>										
LCS Dup Analyzed: 07/06/2011 (11G0100-BSD1)										
Acetone	47.1	10	ug/l	25.0		188	30-150	1	35	L3
Benzene	24.1	0.50	ug/l	25.0		96	70-130	3	20	
Bromobenzene	24.7	0.50	ug/l	25.0		99	70-130	0.2	20	
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130	4	20	
Bromodichloromethane	24.4	0.50	ug/l	25.0		97	70-130	1	20	
Bromoform	22.5	1.0	ug/l	25.0		90	67-122	5	20	
Bromomethane	19.0	1.0	ug/l	25.0		76	64-132	0.4	20	
2-Butanone (MEK)	30.2	2.5	ug/l	25.0		121	48-150	7	33	
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
sec-Butylbenzene	24.1	0.50	ug/l	25.0		96	70-130	0.3	20	
tert-Butylbenzene	23.0	0.50	ug/l	25.0		92	70-130	0.5	20	
Carbon disulfide	25.3	0.50	ug/l	25.0		101	61-126	1	20	
Carbon tetrachloride	24.2	0.50	ug/l	25.0		97	70-130	1	20	
Chlorobenzene	24.3	0.50	ug/l	25.0		97	70-130	2	20	
Chloroethane	23.7	1.0	ug/l	25.0		95	69-128	0.3	20	
Chloroform	23.9	0.50	ug/l	25.0		96	70-130	2	20	
Chloromethane	21.9	1.0	ug/l	25.0		87	56-131	0.6	20	
2-Chlorotoluene	25.8	0.50	ug/l	25.0		103	70-130	0.1	20	
4-Chlorotoluene	26.7	0.50	ug/l	25.0		107	70-130	0.4	20	
Dibromochloromethane	24.6	0.50	ug/l	25.0		98	70-130	4	20	
1,2-Dibromo-3-chloropropane	25.4	2.5	ug/l	25.0		102	63-129	13	25	
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0		104	70-130	7	20	
Dibromomethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,2-Dichlorobenzene	24.6	0.50	ug/l	25.0		99	70-130	4	20	
1,3-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
1,4-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	1	20	
Dichlorodifluoromethane	34.4	0.50	ug/l	25.0		138	42-150	0.3	20	VI
1,1-Dichloroethane	23.6	0.50	ug/l	25.0		94	70-130	1	20	
1,2-Dichloroethane	25.4	0.50	ug/l	25.0		101	72-133	7	20	
1,1-Dichloroethene	23.6	0.50	ug/l	25.0		94	70-130	2	20	
cis-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		87	70-130	2	20	
trans-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
1,2-Dichloropropane	23.5	0.50	ug/l	25.0		94	70-130	5	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	7	20	
2,2-Dichloropropane	23.9	1.0	ug/l	25.0		96	70-130	1	20	

TestAmerica Phoenix
Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
LCS Dup Analyzed: 07/06/2011 (11G0100-BSD1)										
1,1-Dichloropropene	24.4	0.50	ug/l	25.0		98	70-130	4	20	
cis-1,3-Dichloropropene	26.9	0.50	ug/l	25.0		108	70-130	2	20	
trans-1,3-Dichloropropene	27.9	0.50	ug/l	25.0		112	70-130	7	20	
Ethylbenzene	26.5	0.50	ug/l	25.0		106	70-130	0.8	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		89	70-130	2	20	
2-Hexanone	42.0	2.5	ug/l	25.0		168	44-150	16	31	L3
Iodomethane	21.7	2.5	ug/l	25.0		87	58-138	2	25	
Isopropylbenzene	23.8	0.50	ug/l	25.0		95	70-130	0.3	20	
p-Isopropyltoluene	25.2	0.50	ug/l	25.0		101	70-130	0.2	20	
Methylene Chloride	23.0	1.0	ug/l	25.0		92	70-130	4	20	
4-Methyl-2-pentanone (MIBK)	31.4	2.5	ug/l	25.0		126	61-142	8	22	
Methyl-tert-butyl Ether (MTBE)	24.7	0.50	ug/l	25.0		99	70-130	6	20	
Naphthalene	24.9	2.5	ug/l	25.0		100	65-129	6	20	
n-Propylbenzene	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Styrene	20.7	0.50	ug/l	25.0		83	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	70-130	3	20	
1,1,2,2-Tetrachloroethane	26.3	0.50	ug/l	25.0		105	70-130	7	20	
Tetrachloroethene	23.6	0.50	ug/l	25.0		94	70-130	2	20	
Toluene	26.3	0.50	ug/l	25.0		105	70-130	2	20	
1,2,3-Trichlorobenzene	23.5	1.0	ug/l	25.0		94	70-130	4	20	
1,2,4-Trichlorobenzene	24.0	1.0	ug/l	25.0		96	70-130	2	20	
1,1,1-Trichloroethane	24.5	0.50	ug/l	25.0		98	70-130	2	20	
1,1,2-Trichloroethane	25.5	0.50	ug/l	25.0		102	70-130	10	20	
Trichloroethene	23.2	0.50	ug/l	25.0		93	70-130	3	20	
Trichlorofluoromethane	25.3	0.50	ug/l	25.0		101	78-149	2	20	
1,2,3-Trichloropropane	25.5	1.0	ug/l	25.0		102	70-130	5	20	
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0		94	70-130	1	20	
1,3,5-Trimethylbenzene	22.7	0.50	ug/l	25.0		91	70-130	0.2	20	
Vinyl Acetate	23.1	1.0	ug/l	25.0		92	57-149	7	21	
Vinyl chloride	25.7	0.50	ug/l	25.0		103	66-134	0.2	20	
Xylenes, Total	48.1	1.5	ug/l	50.0		96	70-130	0.9	20	
Surrogate: Dibromofluoromethane	23.9		ug/l	25.0		96	70-130			
Surrogate: Toluene-d8	27.8		ug/l	25.0		111	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		ug/l	25.0		102	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
Matrix Spike Analyzed: 07/06/2011 (11G0100-MS1)					Source: PUF1729-04RE1					
Acetone	28.5	10	ug/l	25.0	ND	114	10-150			
Benzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Bromobenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
Bromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
Bromodichloromethane	25.8	0.50	ug/l	25.0	ND	103	70-130			
Bromoform	21.1	1.0	ug/l	25.0	ND	84	62-126			
Bromomethane	18.6	1.0	ug/l	25.0	0.800	71	55-136			
2-Butanone (MEK)	24.6	2.5	ug/l	25.0	ND	98	22-150			
n-Butylbenzene	24.5	0.50	ug/l	25.0	0.260	97	70-130			
sec-Butylbenzene	23.6	0.50	ug/l	25.0	0.290	93	70-130			
tert-Butylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Carbon disulfide	25.8	0.50	ug/l	25.0	ND	103	56-132			
Carbon tetrachloride	24.4	0.50	ug/l	25.0	ND	97	76-131			
Chlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Chloroethane	24.6	1.0	ug/l	25.0	ND	98	67-134			
Chloroform	26.8	0.50	ug/l	25.0	1.81	100	70-130			
Chloromethane	23.4	1.0	ug/l	25.0	ND	94	50-135			
2-Chlorotoluene	24.8	0.50	ug/l	25.0	ND	99	70-130			
4-Chlorotoluene	25.9	0.50	ug/l	25.0	ND	103	70-130			
Dibromochloromethane	24.9	0.50	ug/l	25.0	ND	100	70-130			
1,2-Dibromo-3-chloropropane	23.8	2.5	ug/l	25.0	ND	95	60-135			
1,2-Dibromoethane (EDB)	26.6	0.50	ug/l	25.0	ND	106	70-130			
Dibromomethane	24.5	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dichlorobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130			
Dichlorodifluoromethane	37.0	0.50	ug/l	25.0	ND	148	36-150			VI
1,1-Dichloroethane	27.4	0.50	ug/l	25.0	2.59	99	70-130			
1,2-Dichloroethane	27.7	0.50	ug/l	25.0	ND	111	68-143			
1,1-Dichloroethene	27.0	0.50	ug/l	25.0	2.91	96	70-130			
cis-1,2-Dichloroethene	33.6	0.50	ug/l	25.0	10.2	93	70-130			
trans-1,2-Dichloroethene	23.9	0.50	ug/l	25.0	ND	95	70-130			
1,2-Dichloropropane	26.2	0.50	ug/l	25.0	0.230	104	70-130			
1,3-Dichloropropane	24.5	0.50	ug/l	25.0	ND	98	70-130			
2,2-Dichloropropane	24.0	1.0	ug/l	25.0	ND	96	66-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
Matrix Spike Analyzed: 07/06/2011 (11G0100-MS1)					Source: PUF1729-04RE1					
1,1-Dichloropropene	24.4	0.50	ug/l	25.0	ND	98	70-130			
cis-1,3-Dichloropropene	26.2	0.50	ug/l	25.0	ND	105	70-130			
trans-1,3-Dichloropropene	27.5	0.50	ug/l	25.0	ND	110	71-132			
Ethylbenzene	27.1	0.50	ug/l	25.0	ND	109	70-130			
Hexachlorobutadiene	21.8	1.0	ug/l	25.0	ND	87	66-129			
2-Hexanone	32.1	2.5	ug/l	25.0	ND	128	18-150			
Iodomethane	21.4	2.5	ug/l	25.0	ND	86	47-141			
Isopropylbenzene	22.9	0.50	ug/l	25.0	ND	92	78-137			
p-Isopropyltoluene	24.6	0.50	ug/l	25.0	ND	98	70-130			
Methylene Chloride	23.9	1.0	ug/l	25.0	ND	96	74-132			
4-Methyl-2-pentanone (MIBK)	32.2	2.5	ug/l	25.0	ND	129	56-145			
Methyl-tert-butyl Ether (MTBE)	25.8	0.50	ug/l	25.0	ND	103	67-138			
Naphthalene	24.4	2.5	ug/l	25.0	ND	97	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	0.390	91	70-130			
Styrene	8.30	0.50	ug/l	25.0	ND	33	51-123			M2
1,1,1,2-Tetrachloroethane	25.0	0.50	ug/l	25.0	ND	100	70-130			
1,1,2,2-Tetrachloroethane	25.8	0.50	ug/l	25.0	ND	103	69-133			
Tetrachloroethene	26.2	0.50	ug/l	25.0	2.37	95	70-130			
Toluene	26.6	0.50	ug/l	25.0	ND	106	70-130			
1,2,3-Trichlorobenzene	23.2	1.0	ug/l	25.0	ND	93	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	25.6	0.50	ug/l	25.0	ND	103	76-132			
1,1,2-Trichloroethane	26.2	0.50	ug/l	25.0	ND	105	70-130			
Trichloroethene	81.4	0.50	ug/l	25.0	53.1	113	70-130			
Trichlorofluoromethane	26.9	0.50	ug/l	25.0	0.360	106	74-150			
1,2,3-Trichloropropane	25.1	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trimethylbenzene	22.1	0.50	ug/l	25.0	0.320	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	14.3	1.0	ug/l	25.0	ND	57	50-150			
Vinyl chloride	28.0	0.50	ug/l	25.0	ND	112	58-139			
Xylenes, Total	48.4	1.5	ug/l	50.0	ND	97	70-130			
Surrogate: Dibromofluoromethane	25.1		ug/l	25.0		100	70-130			
Surrogate: Toluene-d8	28.5		ug/l	25.0		114	70-130			
Surrogate: 4-Bromofluorobenzene	26.7		ug/l	25.0		107	70-130			

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Carlene McCutcheon
Project Manager

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Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011
Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
Matrix Spike Dup Analyzed: 07/06/2011 (11G0100-MSD1)					Source: PUF1729-04RE1					
Acetone	25.2	10	ug/l	25.0	ND	101	10-150	12	35	
Benzene	24.2	0.50	ug/l	25.0	ND	97	70-130	2	20	
Bromobenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	2	20	
Bromochloromethane	24.8	0.50	ug/l	25.0	ND	99	70-130	2	20	
Bromodichloromethane	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Bromoform	21.8	1.0	ug/l	25.0	ND	87	62-126	4	20	
Bromomethane	20.3	1.0	ug/l	25.0	0.800	78	55-136	9	24	
2-Butanone (MEK)	25.8	2.5	ug/l	25.0	ND	103	22-150	5	31	
n-Butylbenzene	24.8	0.50	ug/l	25.0	0.260	98	70-130	1	20	
sec-Butylbenzene	24.0	0.50	ug/l	25.0	0.290	95	70-130	2	20	
tert-Butylbenzene	22.7	0.50	ug/l	25.0	ND	91	70-130	3	20	
Carbon disulfide	26.2	0.50	ug/l	25.0	ND	105	56-132	2	20	
Carbon tetrachloride	24.7	0.50	ug/l	25.0	ND	99	76-131	1	20	
Chlorobenzene	24.2	0.50	ug/l	25.0	ND	97	70-130	3	20	
Chloroethane	24.6	1.0	ug/l	25.0	ND	99	67-134	0.3	20	
Chloroform	26.9	0.50	ug/l	25.0	1.81	101	70-130	0.3	20	
Chloromethane	23.7	1.0	ug/l	25.0	ND	95	50-135	1	20	
2-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	102	70-130	3	20	
4-Chlorotoluene	26.2	0.50	ug/l	25.0	ND	105	70-130	1	20	
Dibromochloromethane	25.7	0.50	ug/l	25.0	ND	103	70-130	3	20	
1,2-Dibromo-3-chloropropane	24.5	2.5	ug/l	25.0	ND	98	60-135	3	29	
1,2-Dibromoethane (EDB)	26.2	0.50	ug/l	25.0	ND	105	70-130	2	20	
Dibromomethane	22.7	0.50	ug/l	25.0	ND	91	70-130	7	20	
1,2-Dichlorobenzene	24.5	0.50	ug/l	25.0	ND	98	70-130	1	20	
1,3-Dichlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130	3	20	
1,4-Dichlorobenzene	24.4	0.50	ug/l	25.0	ND	98	70-130	4	20	
Dichlorodifluoromethane	36.9	0.50	ug/l	25.0	ND	148	36-150	0.1	22	VI
1,1-Dichloroethane	27.1	0.50	ug/l	25.0	2.59	98	70-130	1	20	
1,2-Dichloroethane	27.0	0.50	ug/l	25.0	ND	108	68-143	2	20	
1,1-Dichloroethene	26.9	0.50	ug/l	25.0	2.91	96	70-130	0.5	20	
cis-1,2-Dichloroethene	32.3	0.50	ug/l	25.0	10.2	88	70-130	4	20	
trans-1,2-Dichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130	0.2	20	
1,2-Dichloropropane	23.6	0.50	ug/l	25.0	0.230	93	70-130	11	20	
1,3-Dichloropropane	23.9	0.50	ug/l	25.0	ND	96	70-130	3	20	
2,2-Dichloropropane	23.7	1.0	ug/l	25.0	ND	95	66-130	1	20	

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Carlene McCutcheon
Project Manager

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PUF1729 <Page 33 of 36>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G0100 Extracted: 07/06/11										
Matrix Spike Dup Analyzed: 07/06/2011 (11G0100-MSD1)					Source: PUF1729-04RE1					
1,1-Dichloropropene	24.2	0.50	ug/l	25.0	ND	97	70-130	1	20	
cis-1,3-Dichloropropene	26.2	0.50	ug/l	25.0	ND	105	70-130	0.1	20	
trans-1,3-Dichloropropene	28.0	0.50	ug/l	25.0	ND	112	71-132	2	20	
Ethylbenzene	26.6	0.50	ug/l	25.0	ND	106	70-130	2	20	
Hexachlorobutadiene	21.7	1.0	ug/l	25.0	ND	87	66-129	0.6	21	
2-Hexanone	31.3	2.5	ug/l	25.0	ND	125	18-150	3	25	
Iodomethane	21.3	2.5	ug/l	25.0	ND	85	47-141	0.6	29	
Isopropylbenzene	23.4	0.50	ug/l	25.0	ND	94	78-137	2	20	
p-Isopropyltoluene	25.1	0.50	ug/l	25.0	ND	101	70-130	2	20	
Methylene Chloride	23.6	1.0	ug/l	25.0	ND	94	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	30.9	2.5	ug/l	25.0	ND	124	56-145	4	26	
Methyl-tert-butyl Ether (MTBE)	25.9	0.50	ug/l	25.0	ND	104	67-138	0.3	21	
Naphthalene	25.7	2.5	ug/l	25.0	ND	103	54-135	5	33	
n-Propylbenzene	23.8	0.50	ug/l	25.0	0.390	94	70-130	2	20	
Styrene	19.6	0.50	ug/l	25.0	ND	78	51-123	81	21	RI
1,1,1,2-Tetrachloroethane	24.7	0.50	ug/l	25.0	ND	99	70-130	1	20	
1,1,2,2-Tetrachloroethane	26.0	0.50	ug/l	25.0	ND	104	69-133	0.9	20	
Tetrachloroethene	25.6	0.50	ug/l	25.0	2.37	93	70-130	2	20	
Toluene	26.4	0.50	ug/l	25.0	ND	106	70-130	0.9	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	70-130	3	20	
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	66-126	2	20	
1,1,1-Trichloroethane	25.4	0.50	ug/l	25.0	ND	102	76-132	0.9	20	
1,1,2-Trichloroethane	25.2	0.50	ug/l	25.0	ND	101	70-130	4	20	
Trichloroethene	75.0	0.50	ug/l	25.0	53.1	88	70-130	8	20	
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	0.360	107	74-150	0.9	20	
1,2,3-Trichloropropane	24.9	1.0	ug/l	25.0	ND	100	70-130	0.8	20	
1,2,4-Trimethylbenzene	23.0	0.50	ug/l	25.0	0.320	91	70-130	4	20	
1,3,5-Trimethylbenzene	22.6	0.50	ug/l	25.0	ND	90	61-138	4	33	
Vinyl Acetate	22.2	1.0	ug/l	25.0	ND	89	50-150	43	23	RI
Vinyl chloride	27.8	0.50	ug/l	25.0	ND	111	58-139	0.7	21	
Xylenes, Total	47.7	1.5	ug/l	50.0	ND	95	70-130	1	20	
Surrogate: Dibromofluoromethane	25.1		ug/l	25.0		100	70-130			
Surrogate: Toluene-d8	27.8		ug/l	25.0		111	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		ug/l	25.0		104	70-130			

TestAmerica Phoenix

Carlene McCutcheon
Project Manager

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PUF1729 <Page 34 of 36>

Synergy Environmental, LLC
10645 N. Tatum Blvd., Suite 200-437
Phoenix, AZ 85028
Attention: Joel Peterson

Project ID: PO #802.10 June 2011

Report Number: PUF1729

Sampled: 06/29/11
Received: 06/29/11

DATA QUALIFIERS AND DEFINITIONS

L3 The associated blank spike recovery was above method acceptance limits.
M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1 See case narrative.
R1 The RPD/RSD exceeded the method acceptance limit.
V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

TestAmerica Phoenix
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PUF1729 <Page 35 of 36>

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Attention: Joel Peterson

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Sampled: 06/29/11
Received: 06/29/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelap	Arizona
EPA 8260B	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

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PUF1729 <Page 36 of 36>

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☐ Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
☐ Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page _____ of _____

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2.90C